Final Environmental Impact Statement and Proposed Land-use Plan Amendments for the Energy Gateway South Transmission Project

BLM/WY/PL-14/009+5001
Case Files: WYW-174597
UTU-87237
COC-72907

May 2016

Volume II-B
Maps MV-13 through MV-27

BLM
Wyoming State Office

NATIONAL SYSTEM OF PUBLIC LANDS
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

U.S. Department of the Interior
Bureau of Land Management

Final Environmental Impact Statement and Proposed Land-use Plan Amendments for the Energy Gateway South Transmission Project

BLM/WY/PL-14/009+5001

Case Files
Wyoming: WYW-174597
Colorado: COC-72907
Utah: UTU-87237

Volume II-B

BLM Wyoming State Office
5353 Yellowstone Road
Cheyenne, Wyoming 82009

Cooperating Agencies
U.S. Forest Service – Intermountain Region
U.S. Army Corps of Engineers – South Pacific Division
U.S. Army Environmental Center
U.S. Department of Defense – Navy Region Southwest
Bureau of Indian Affairs – Western Region
U.S. Fish and Wildlife Service – Mountain-Prairie Region
National Park Service
Utah Reclamation Mitigation and Conservation Commission
State of Wyoming
State of Colorado
State of Utah
Carbon and Sweetwater counties, Wyoming
Mesa, Moffat, and Rio Blanco counties, Colorado
Carbon, Duchesne, Emery, Grand, Juab, Sanpete, Uintah, and Wasatch counties, Utah
Wyoming Conservation Districts (Little Snake River, Medicine Bow, Saratoga-Encampment-Rawlins, Sweetwater County)

May 2016

BLM Mission

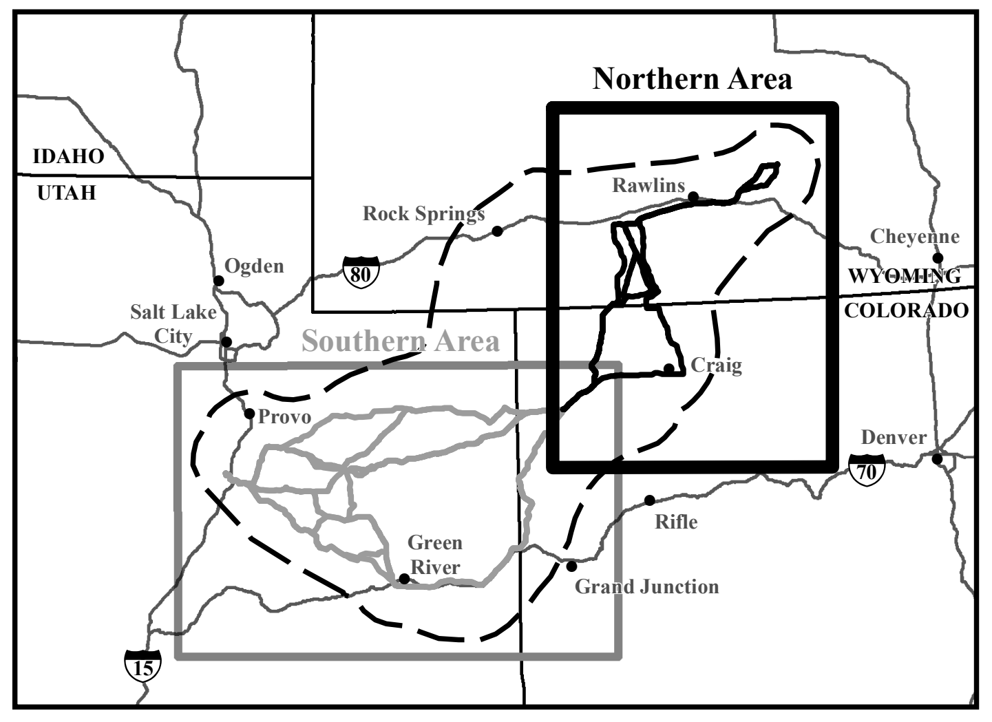
To sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations.

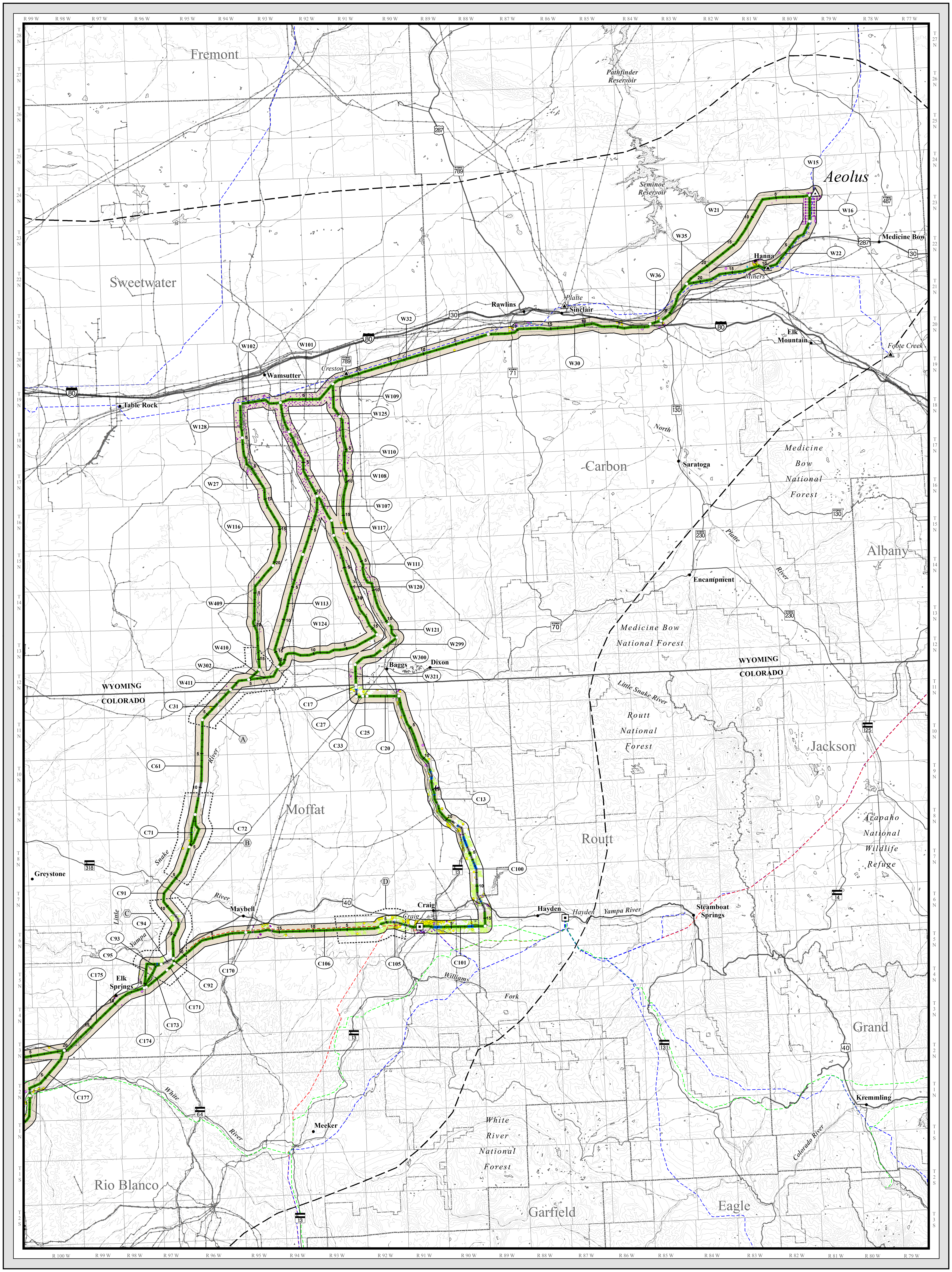
Land Use and Recreation

Existing Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



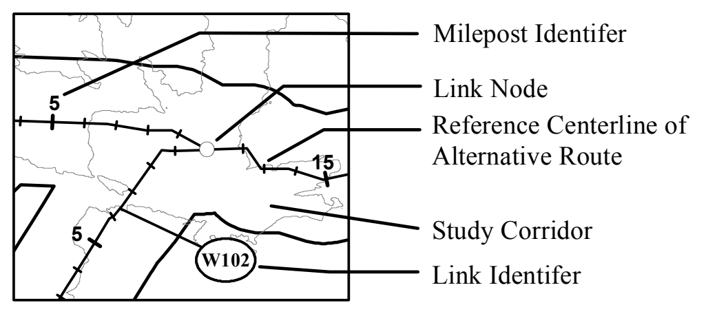


Resource Inventory

EXISTING LAND USE[1]

- ✈ Airport
- 🟩 Agriculture
- 🟥 Commercial
- Communication Facility
- Grazing Allotment
- 🟪 Industrial
- 🟦 Public/Quasi-Public
- 🟨 Residential
- Transportation
- ⬛ Utility
- ▨ Wind Farm

Inventory Key



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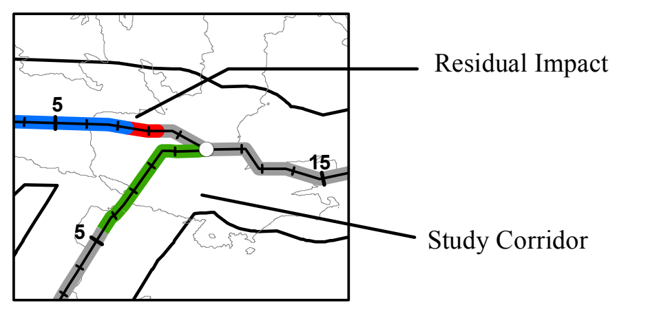


Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- No Identifiable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Airports as digitized by EPG, FAA 2009; Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014; Communication Facilities, FCC 2012; Central Utah Telephone Fiber Optic Line, BLM 2013; Grazing Allotments, BLM 2009, 2011, 2014, USFS 2014, Colorado State Land Board 2011, SITLA 2014, State of Wyoming 2013; Roosevelt Pipeline, Central Utah Water Conservancy District 2012; Wind Farm as digitized by EPG, CH2MHILL/Wyoming Industrial Siting Division 2007; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Existing land use is only shown within the 2-mile-wide land use study corridor.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

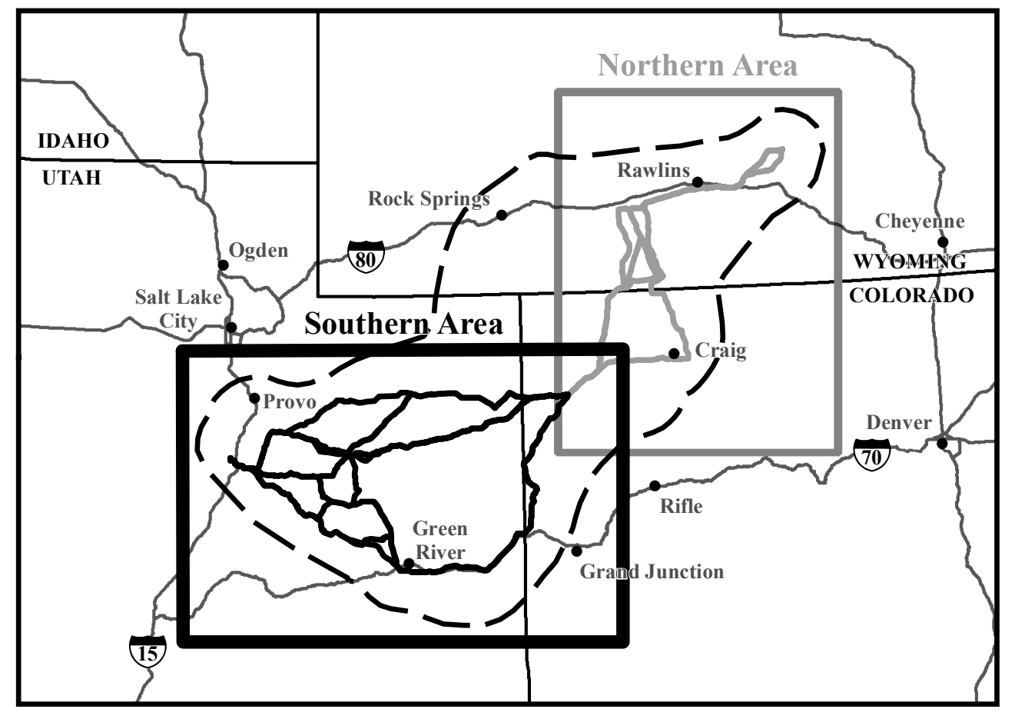
Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

MV-13b

Existing Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

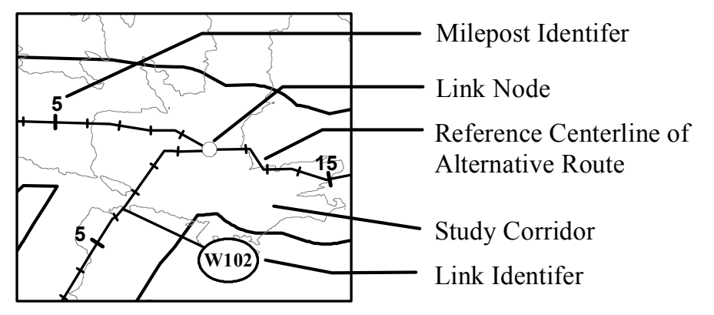


Resource Inventory

EXISTING LAND USE[1]

✈	Airport	🟦	Public/Quasi-Public
🟩	Agriculture	🟨 ●	Residential
🟥	Commercial	■	Transportation
●	Communication Facility	■	Utility
■	Grazing Allotment	▨	Wind Farm
🟪	Industrial		

Inventory Key



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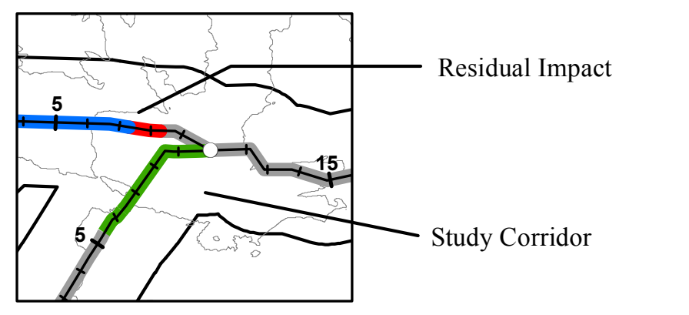

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	■	No Identifiable

Project Features

▭	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
▭ A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Airports as digitized by EPG, FAA 2009; Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014; Communication Facilities, FCC 2012; Central Utah Telephone Fiber Optic Line, BLM 2013; Grazing Allotments, BLM 2009, 2011, 2014, USFS 2014, Colorado State Land Board 2011, SITLA 2014, State of Wyoming 2013; Roosevelt Pipeline, Central Utah Water Conservancy District 2012; Wind Farm as digitized by EPG, CH2MHILL/Wyoming Industrial Siting Division 2007; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

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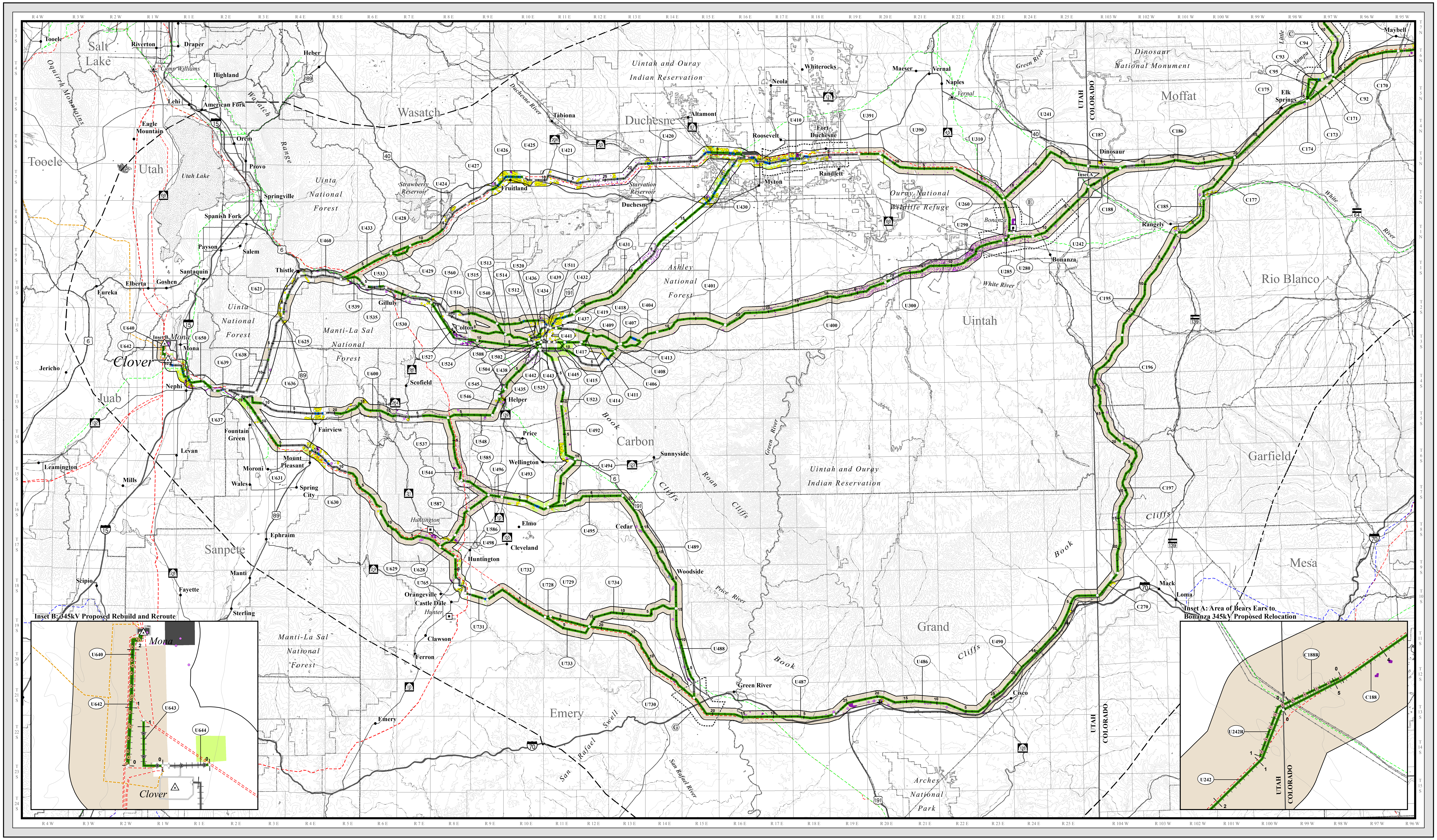
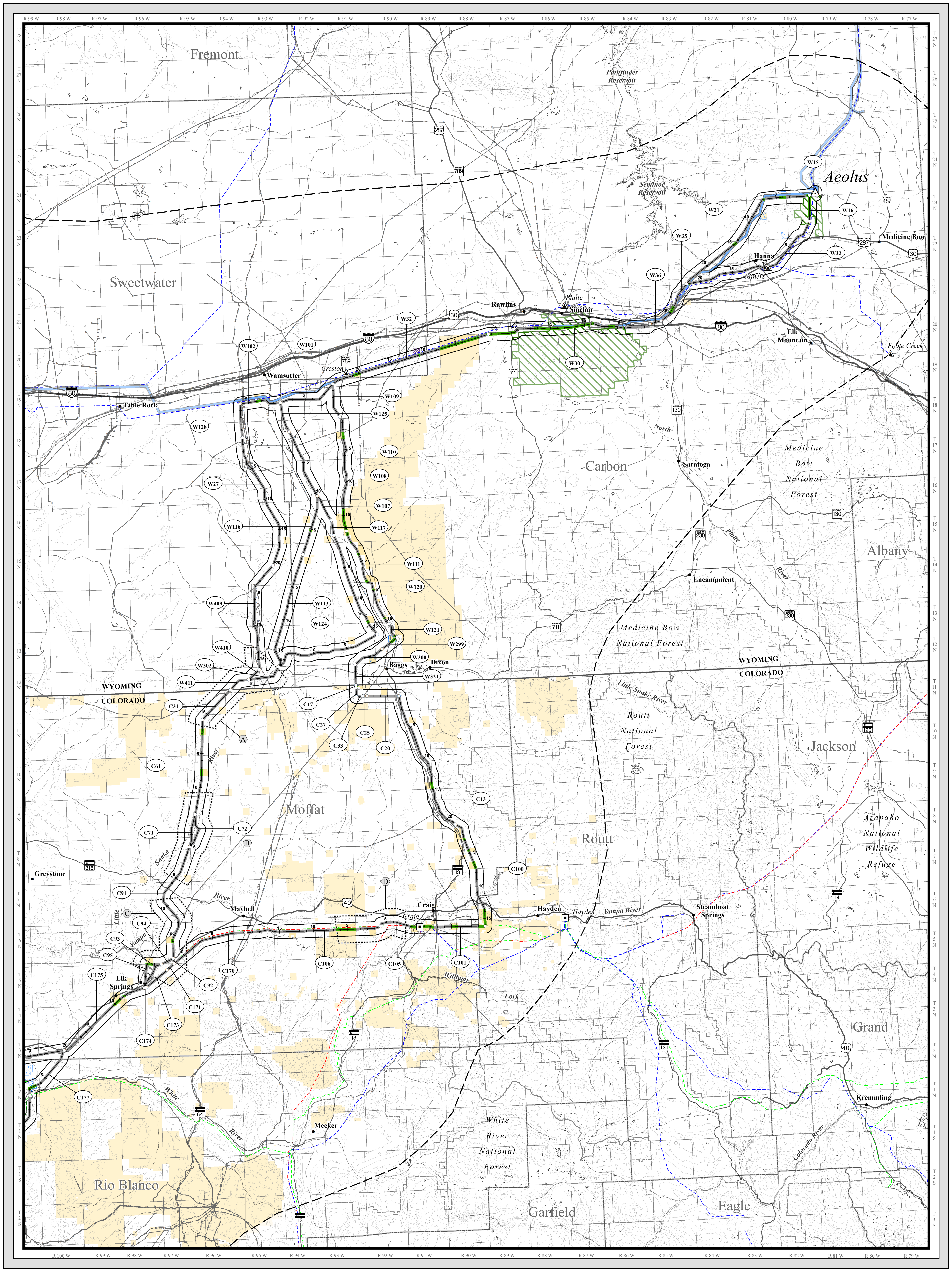
FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



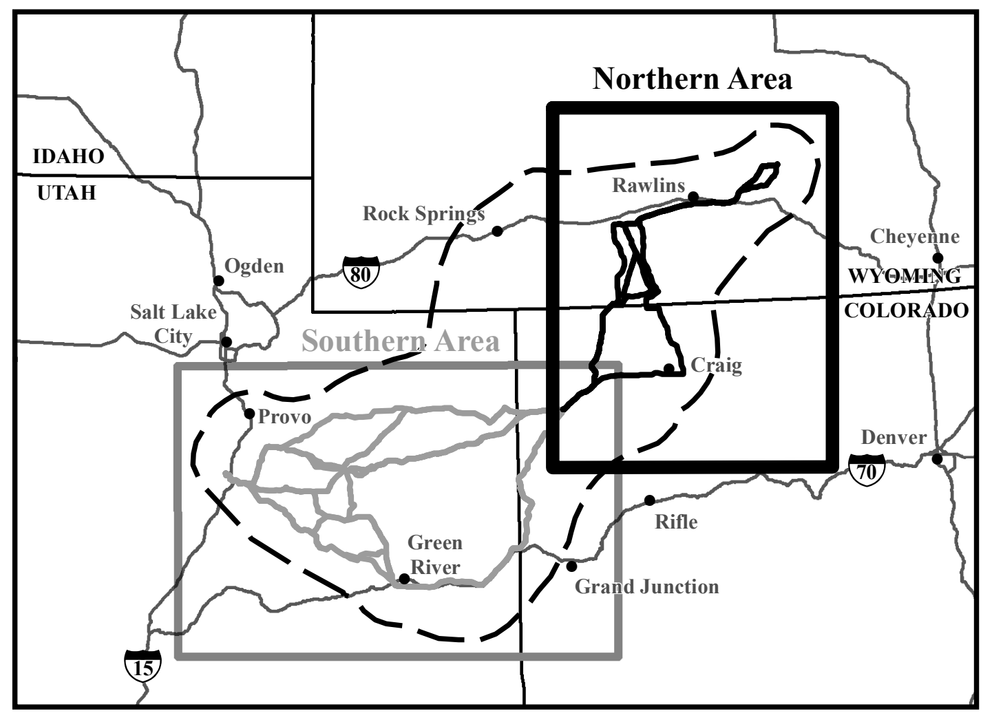


MV-14a

Authorized Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

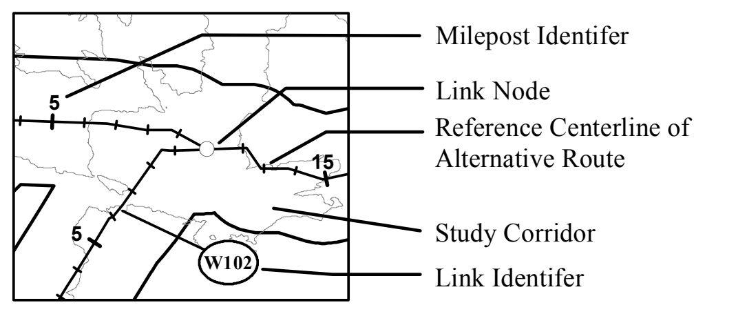


Resource Inventory

AUTHORIZED LAND USE[1]

🟩	Mona Pumped Storage Project Transmission Line	▨	Oil Shale and/or Tar Sand Development
🟦	Energy Gateway West Transmission Line	🟨	Oil and/or Gas Development
▨	Coal Mine	🟪	Pipeline[2]
▨	Non-coal Mine	—	Recreation
—	Communication Facility	🟩	Residential Subdivision
🟧	Industrial Facility	—	Transportation
🟩	Military Training/Testing Site	⬛	Utility
🟦	Narrows Dam and Reservoir Project	▨	Wind Energy Facility

Inventory Key



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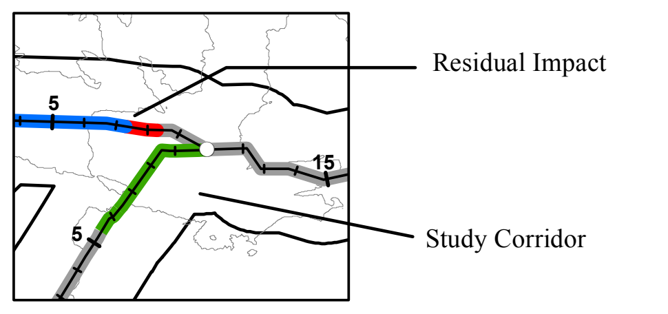


Impact Levels

🟥	High	🟩	Low
🟦	Moderate	⬜	No Identifiable

Project Features

	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

●	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line		State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Mona Pumped Storage Project, BLM 2013j, k; Energy Gateway West Transmission Line, Tetra Tech 2013; Utah Coal Mines, UDNR 2013; Flat Canyon Coal Lease, USFS 2013d; Long Canyon Coal Lease, BLM 2012ah; Deer Creek Coal Lease, TetraTech 2012; Deserado Coal Mine, BLM 2009e, 2012ac; Coal Leases, SITLA 2014b, Wyoming Office of State Lands and Investments 2013b; Utah Non-Coal Leases, SITLA 2014b; Gilsonite Mines, BLM 2008l; Uranium Leases, Wyoming Office of State Lands and Investments 2013b; Central Utah Telephone Fiber Optic Line, BLM 2013i; Industrial Facilities, SITLA 2014a, Mesa County 2011; Flatirons Resources Helium Project, BLM 2013; Engineering Battalion Training Area, SITLA 2014a; White Sands Missile Launch Facility, SITLA 2014a; The Narrows Dam and Reservoir Project, SWCD 2012; Red Leaf Oil Shale Project, SITLA 2012; Oil Shale and Tar Sands Leases, SITLA 2014c; Oil and Gas Units, BLM 2012ab, ah; Atlantic Rim Oil and Gas Field, BLM 2005f; Berry Petroleum South Unit, USFS 2007; Oil and Gas Projects, BLM 2011s, 2012x, y, z, af, aj, am, Duchesne County 2014; Blacktail Ridge and Lake Canyon EDA Boundaries, URMCC 2013a; Oil and Gas Wells, UTDOGM 2011; Ferron Natural Gas Project, BLM 1998b; Oil and Gas Leases, Wyoming Office of State Lands and Investments 2013c, Colorado State Land Board 2012, SITLA 2014c; Victory Pipeline, Jones and DeMille Engineering 2013; Roosevelt Pipeline, CUWCD 2012; ATV Trail, Carbon County UT 2011a; Residential Subdivisions, Carbon County, UT 2011b, Duchesne County 2009, 2014, Juab County 2009, Sanpete County 2009, Utah County 2009; Seep Ridge Road, BLM 2012an; Standpipe Substation, Rocky Mountain Power 2011; Seven Mile Hill Wind Energy Facility, BLM 2012; Chokecherry Wind Farm, BLM 2012; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

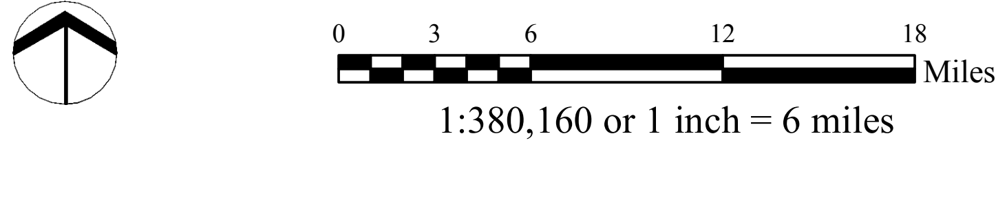
Notes:

[1] Authorized uses are only shown within the Project area boundary. Project labels are not shown on this map due to extensive project overlap.

[2] The pipeline near Roosevelt, Utah, has been buffered 1,500 feet on either side of pipeline centerline.

- The roads on this map are National Transportation Atlas Database roads in Wyoming and Colorado and AGRC roads in Utah, while the cumulative effects analysis was conducted using ESRI's Streetmap Roads data.
- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015



Scale in Miles

1:380,160 or 1 inch = 6 miles

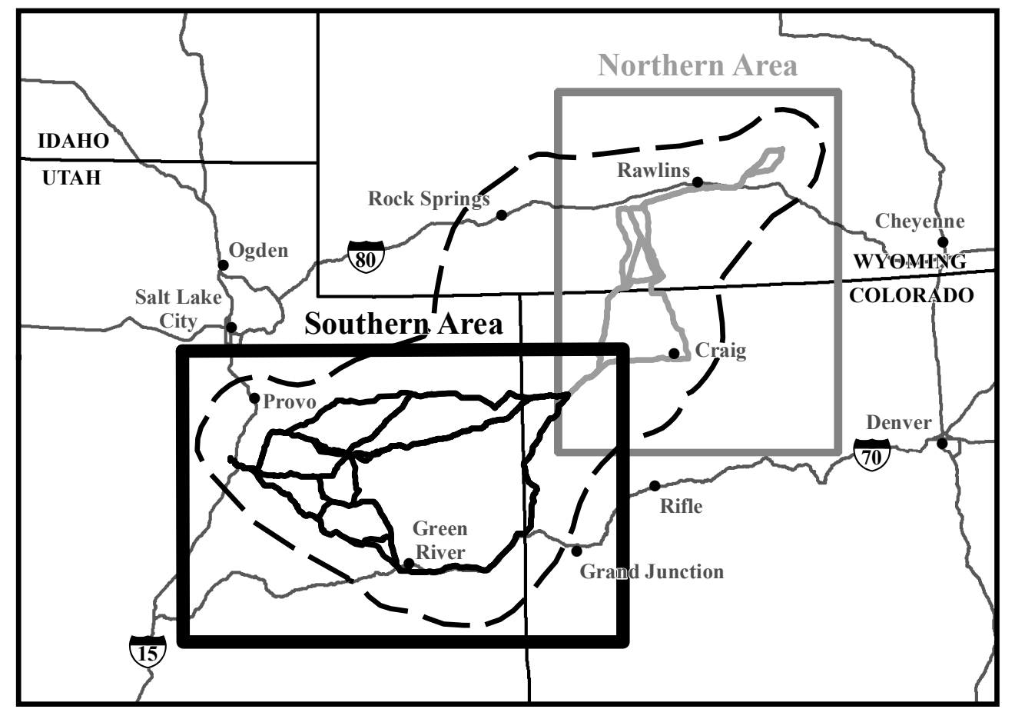
MV-14b

Authorized Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

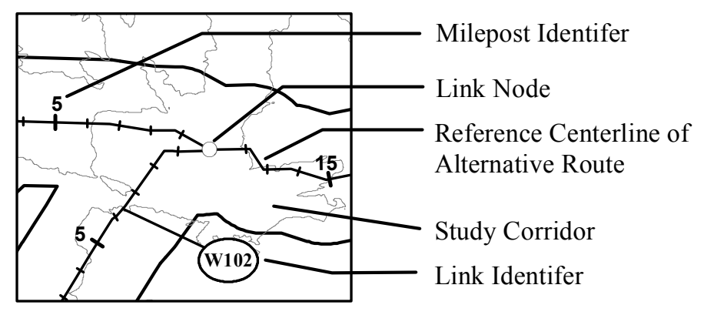


Resource Inventory

AUTHORIZED LAND USE[1]

- 🟩 Mona Pumped Storage Project Transmission Line
- 🟦 Energy Gateway West Transmission Line
- ▨ Coal Mine
- ▨ Non-coal Mine
- ▬ Communication Facility
- 🟧 Industrial Facility
- 🟩 Military Training/Testing Site
- 🟦 Narrows Dam and Reservoir Project
- ▨ Oil Shale and/or Tar Sand Development
- 🟨 Oil and/or Gas Development
- 🟪 Pipeline[2]
- ▬ Recreation
- 🟩 Residential Subdivision
- ▬ Transportation
- ⬛ Utility
- ▨ Wind Energy Facility

Inventory Key



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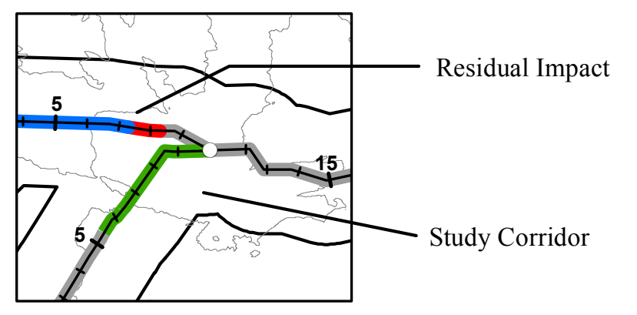

Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ⬜ No Identifiable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
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- Jurisdictional Boundary

Sources:

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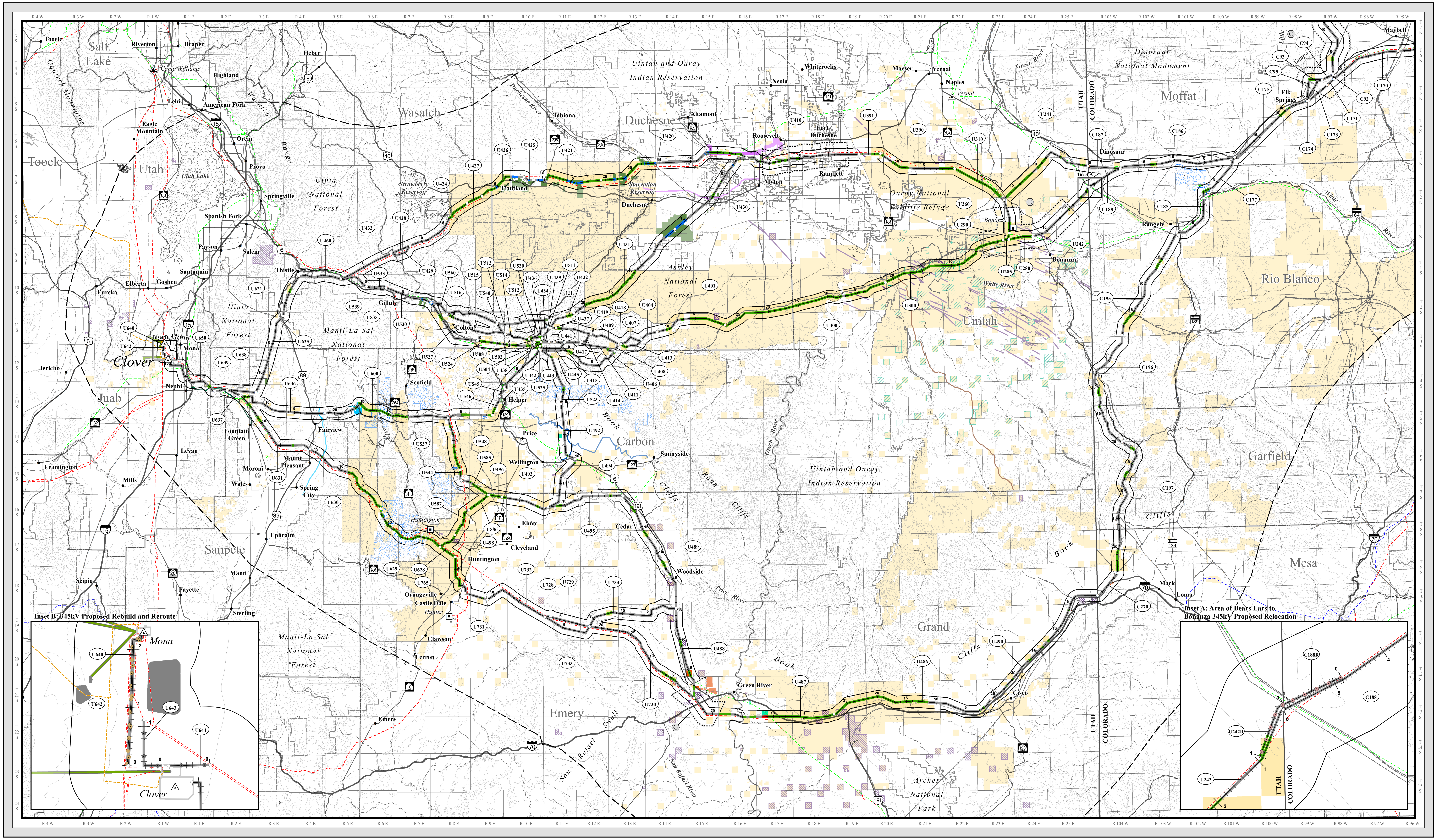
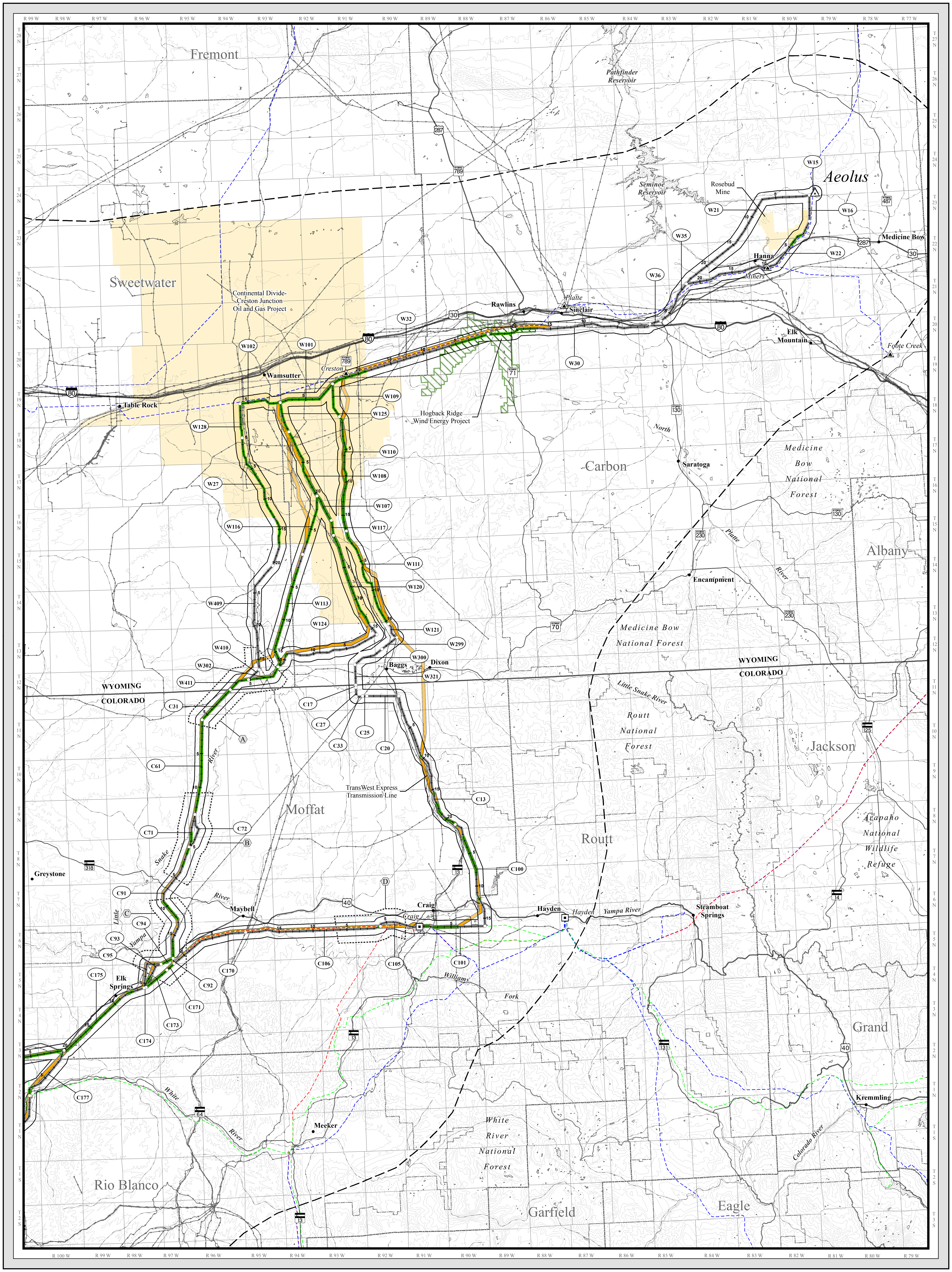
FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles





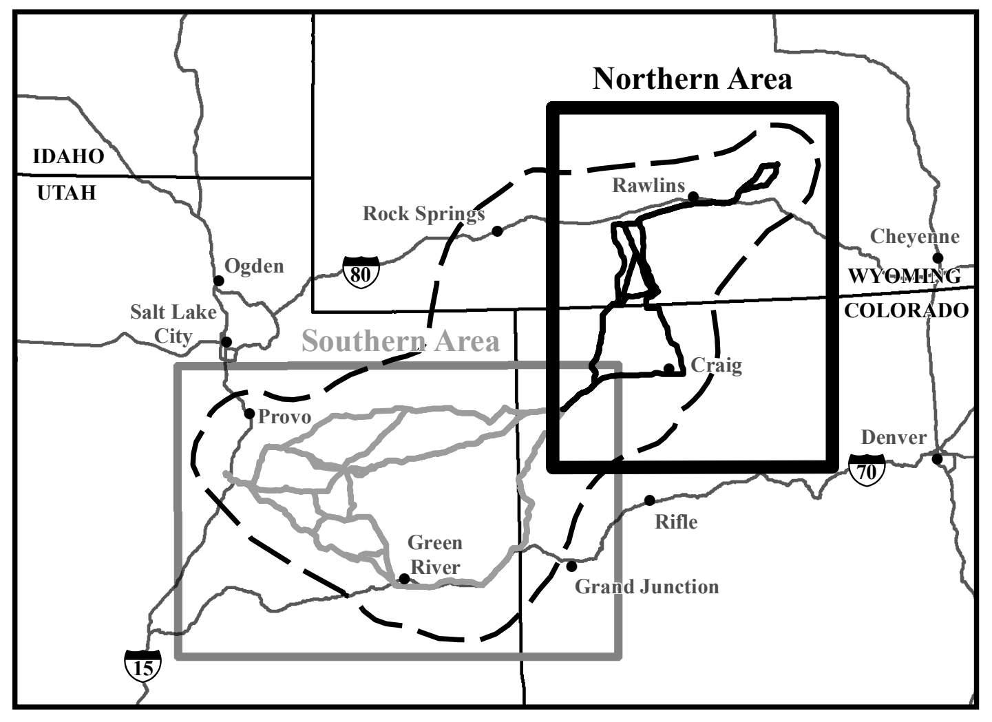
MV-15a

Future Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

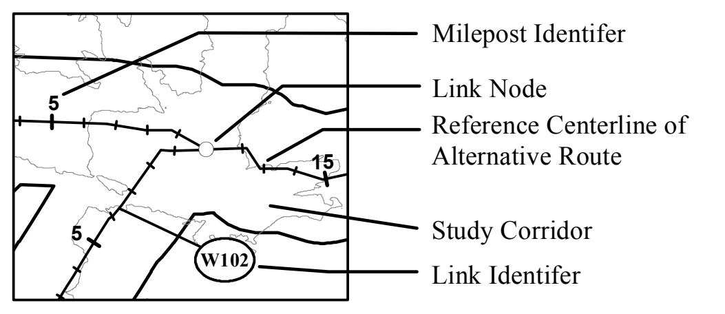


Resource Inventory

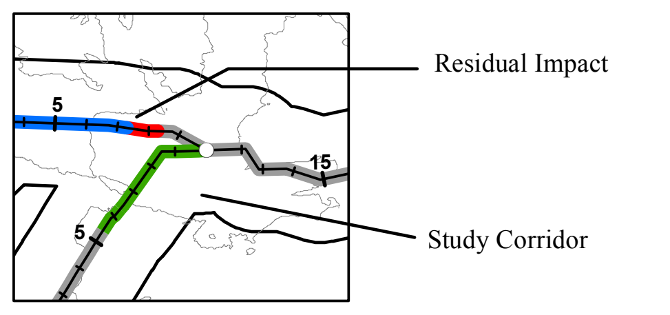
PROPOSED ACTIVITIES[1]

═	Proposed Road	🟨	Proposed Industrial
●—●—●	Proposed Uinta Express Pipeline	🟦	Proposed Parks and/or Preservation
▬	Proposed Bonanza to Upalco Transmission Line	🟦	Proposed Recreation
▬	Proposed TransWest Express Transmission Line	🟨	Proposed Residential
🟥	Proposed Commercial	⬛	Proposed Utility
		▨	Proposed Wind Farm

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼┼ 5	Alternative Route		

General Reference

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▣	Power Plant	24	State Highway
----	500kV Transmission Line	▒	Lake or Reservoir
----	345kV Transmission Line	—··—	River or Stream
----	230kV Transmission Line	▭	State Boundary
----	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Interstate Loop Road, BLM 2012as; Uinta Express Pipeline, USFS 2013e;
Bonanza to Upalco Transmission Line as digitized by EPG, Moon Lake Electric 2013;
TransWest Express Transmission Line, AECOM 2014, POWER Engineers 2014;
Strawberry Highlands Proposed Commercial, Wasatch County 2012;
Continental Divide-Creston Junction Oil and Gas Project, BLM 2007e; Rosebud Mine, Ambre Energy 2012b;
Strawberry Highlands Proposed Parks, Recreation and Residential Subdivision, Wasatch County 2012;
Potential Wind Development Area, Emery County 2011; Woodside Carbon Sequestration Site, BLM 2012ar;
Hogback Ridge Wind Energy Project, BLM 2013p;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Only proposed activities that intersect the 2-mile-wide land use study corridor are shown and labeled on this map, and these are shown within the Project area boundary. Uses that have been authorized or approved are not displayed on this map, as construction for these projects may currently be underway or could begin at any time.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS

September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles

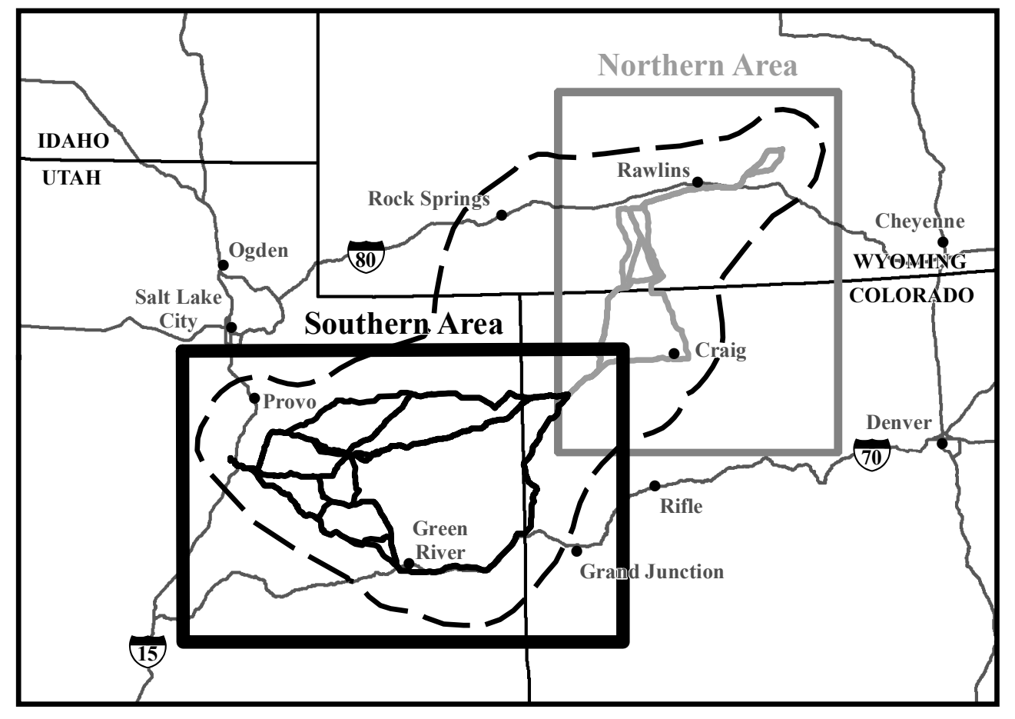
MV-15b

Future Land Use

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

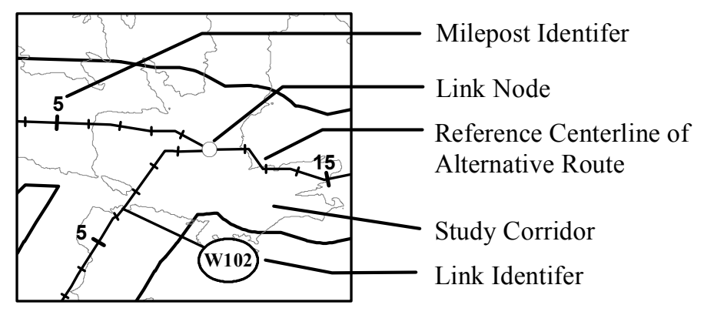


Resource Inventory

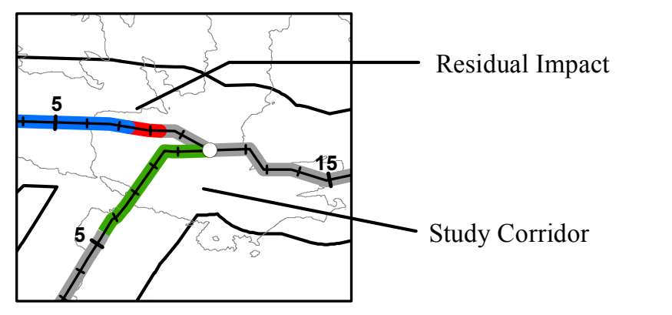
PROPOSED ACTIVITIES[1]

- ▬ Proposed Road
- ●─●─● Proposed Uinta Express Pipeline
- ▬ Proposed Bonanza to Upalco Transmission Line
- ▬ Proposed TransWest Express Transmission Line
- 🟥 Proposed Commercial
- 🟨 Proposed Industrial
- 🟦 Proposed Parks and/or Preservation
- 🟦 Proposed Recreation
- 🟨 Proposed Residential
- ⬛ Proposed Utility
- ▨ Proposed Wind Farm

Inventory Key



Impact Key



Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ▬ No Identifiable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- ●─● 345kV Proposed Relocation (Inset A)
- ●─● 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- ●─● 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Interstate Loop Road, BLM 2012as; Uinta Express Pipeline, USFS 2013e;
Bonanza to Upalco Transmission Line as digitized by EPG, Moon Lake Electric 2013;
TransWest Express Transmission Line, AECOM 2014, POWER Engineers 2014;
Strawberry Highlands Proposed Commercial, Wasatch County 2012;
Continental Divide-Creston Junction Oil and Gas Project, BLM 2007e; Rosebud Mine, Ambre Energy 2012b;
Strawberry Highlands Proposed Parks, Recreation and Residential Subdivision, Wasatch County 2012;
Potential Wind Development Area, Emery County 2011; Woodside Carbon Sequestration Site, BLM 2012ar;
Hogback Ridge Wind Energy Project, BLM 2013p;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Only proposed activities that intersect the 2-mile-wide land use study corridor are shown and labeled on this map, and these are shown within the Project area boundary. Uses that have been authorized or approved are not displayed on this map, as construction for these projects may currently be underway or could begin at any time.

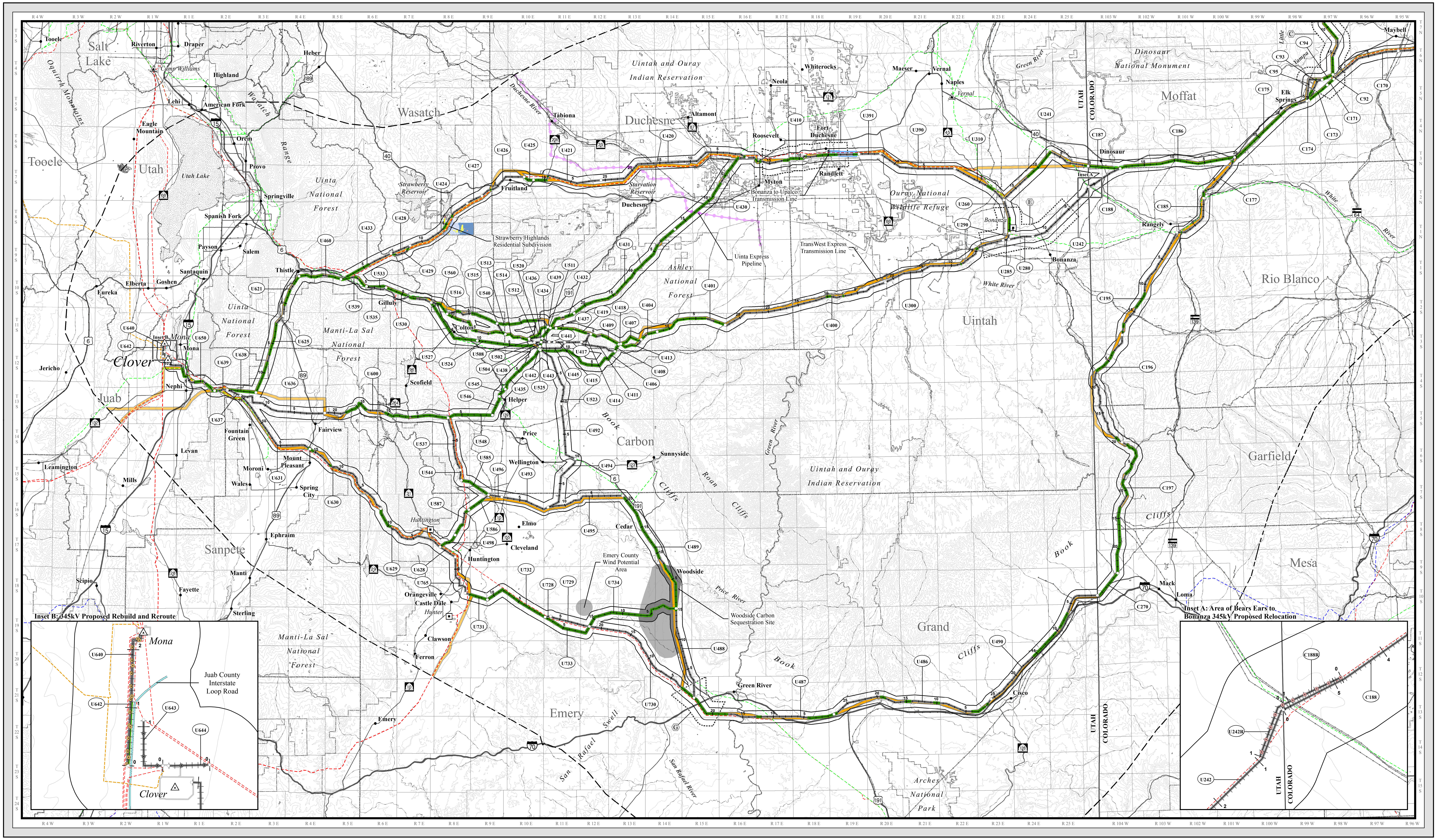
- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

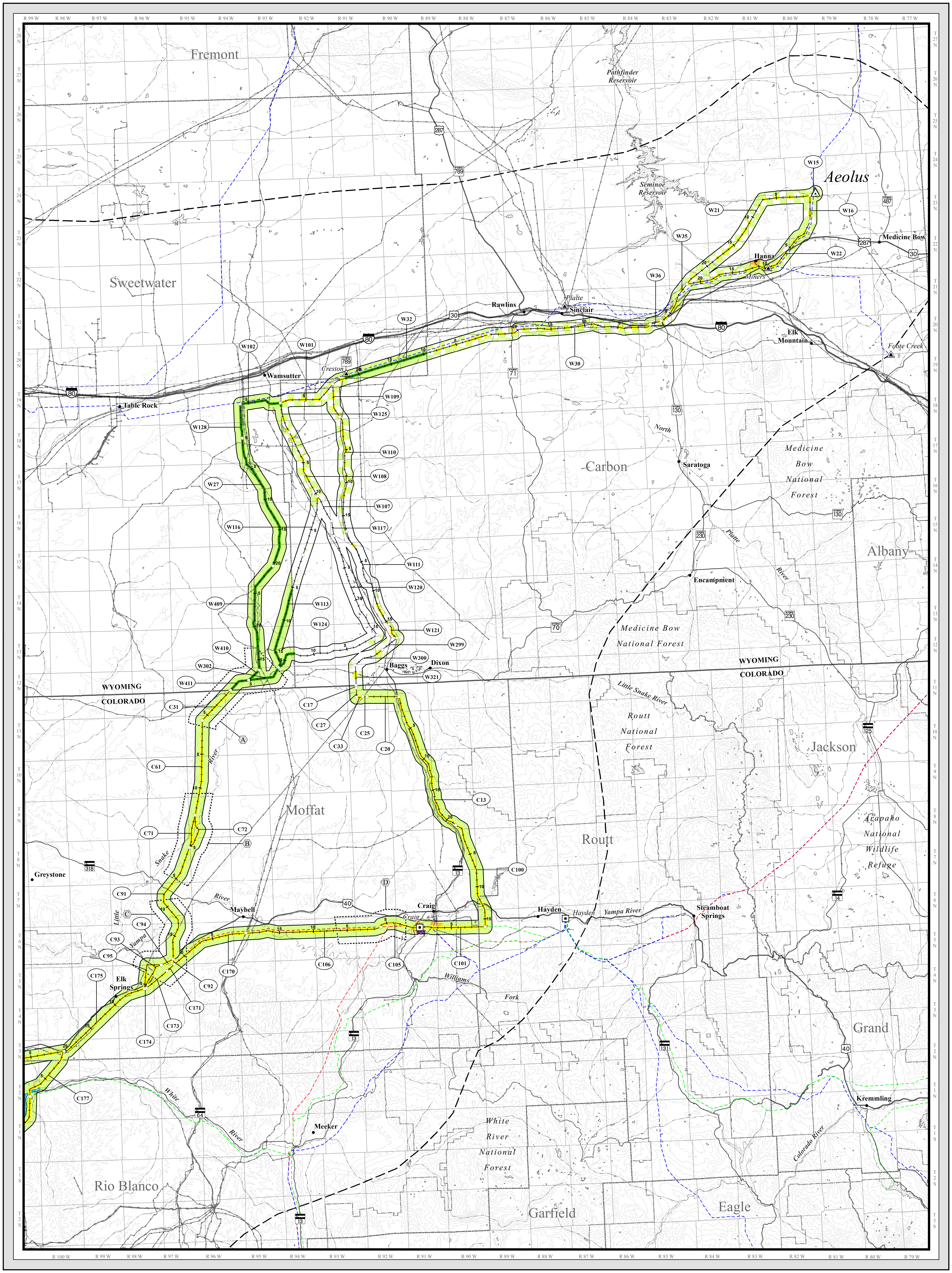
FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles





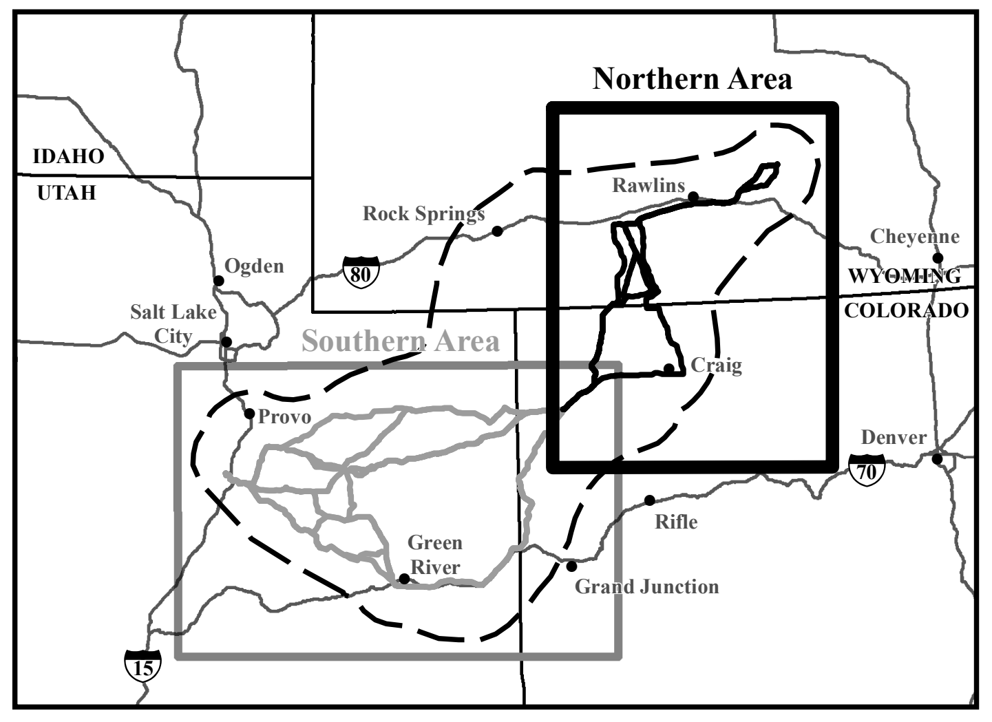
MV-16a

Zoning and General Plan Management Direction

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

GENERALIZED ZONING[1,2,3]

🟩 Agriculture

Ballard City: A-5
Carbon County, Utah: M&G
Carbon County, Utah: MR
Carbon County, Wyoming: RAM
Duchesne County: A10
Duchesne County: A2.5
Duchesne County: A5
Emery County: A-1
Grand County: RG
Juab County: A1-160
Juab County: A1-50
Mesa County: AFT
Moffat County: A
Mt. Pleasant City: SL/AB
Rio Blanco County: Agricultural
Routt County: AF (Code 1)
Sanpete County: A
Sweetwater County: A
Uintah County: A1
Utah County: A1

🟥 Commercial

Duchesne County: Commercial
Sanpete County: BC

🟪 Industrial

Duchesne County: Industrial
Emery County: I-1
Helper City: I-1
Town of Hanna: I

🟪 Mixed Use Residential

Wasatch County: SR

🟩 Park/Preservation

Carbon County, Utah: WS
Sanpete County: SL
Utah County: CE-1
Utah County: CE-2
Wasatch County: P-160

🟦 Public/Quasi-public

Garfield County: PL

🟫 Rangeland

Emery County: M
Emery County: M&G
Uintah County: MG1

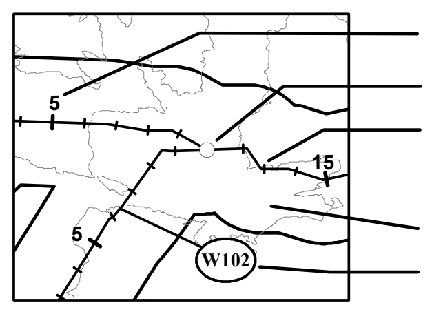
🟦 Recreation

Juab County: GMRF-160
Rio Blanco County: Leisure Recreation

🟧 Residential

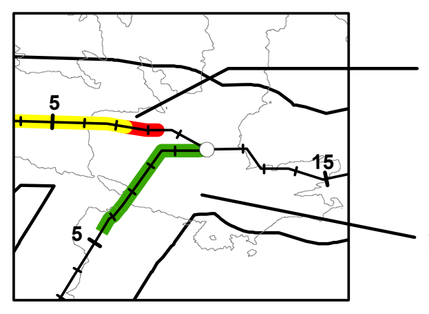
Carbon County, Wyoming: RD
Garfield County: R
Helper City: R-1-30,000
Helper City: R-1-5,000
Nephi City: R1/Residential
Town of Hanna: R
Utah County: RA-5

Inventory Key



Milepost Identifer
Link Node
Reference Centerline of Alternative Route
Study Corridor
Link Identifer

Permitting Key



Permitting
Study Corridor

Generalized Permitting[4]

🟥 Not Permitted
🟨 Conditionally Permitted
🟩 Permitted

Project Features

[ ]	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Ⓐ	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

●	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line		State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Planned Land Use Zoning, Carbon County, Utah 2012, Carbon County, Wyoming 2011, Duchesne County 2014, Emery County 2012, Garfield County 2014, Grand County 2011, Mesa County 2013, Moffat County 2009, Rio Blanco County 2010, Routt County 2011, Sanpete County 2010, 2011, Sweetwater County 2012, Uintah County 2009, Utah County 2011, Wasatch County 2013, Rangely City 2009;
Planned Land Use Zoning as digitized by EPG, Juab County 2006, Ballard City 2012, Helper City 2012, Nephi City 2010, Roosevelt City 2010, Town of Hanna 2004;
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State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Generalized zoning is only shown within the 2-mile-wide land use study corridor.

[2] The EPG 2011 Zoning and General Plan Management Direction layer was created using a combination of general plans and zoning ordinances for all counties and cities within the 2-mile-wide land use study corridor. Each general plan and zoning ordinance designation was interpreted and grouped with like categories.

[3] Only generalized zoning categories crossed by the Project right-of-way are listed in the legend.

[4] Generalized permitting is based on review of city and county zoning and general plan management direction. The ultimate decision to permit the project within the jurisdictions crossed will be made by the applicable state, city, or county. The generalized permitting is for disclosure and comparison purposes only.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
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- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles

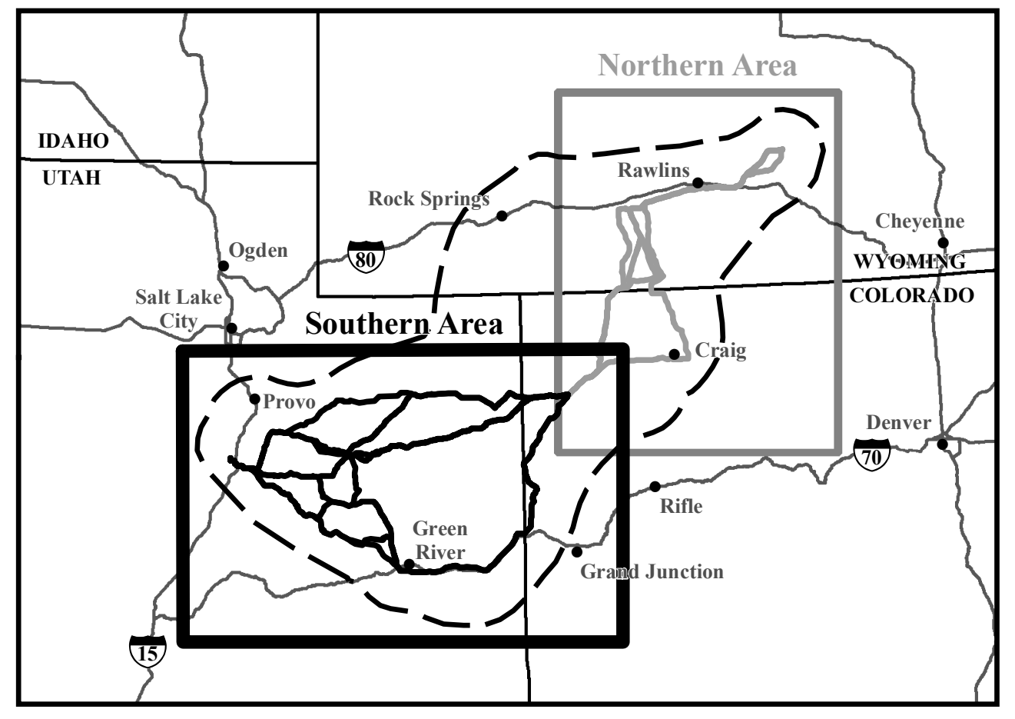
MV-16b

Zoning and General Plan Management Direction

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

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Carbon County, Utah: MR
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Routt County: AF (Code 1)
Sanpete County: A
Sweetwater County: A
Uintah County: A1
Utah County: A1

🟥 Commercial

Duchesne County: Commercial
Sanpete County: BC

🟪 Industrial

Duchesne County: Industrial
Emery County: I-1
Helper City: I-1
Town of Hanna: I

🟪 Mixed Use Residential

Wasatch County: SR

🟩 Park/Preservation

Carbon County, Utah: WS
Sanpete County: SL
Utah County: CE-1
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Wasatch County: P-160

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Garfield County: PL

🟫 Rangeland

Emery County: M
Emery County: M&G
Uintah County: MG1

🟦 Recreation

Juab County: GMRF-160
Rio Blanco County: Leisure Recreation

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Carbon County, Wyoming: RD
Garfield County: R
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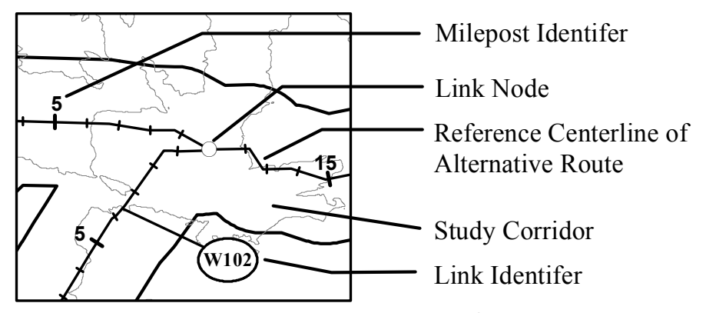
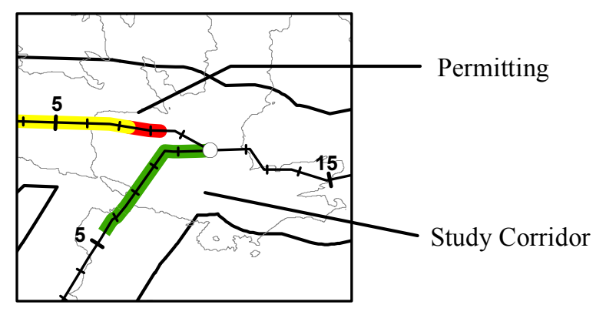
Nephi City: R1/Residential
Town of Hanna: R
Utah County: RA-5

Inventory Key



Permitting Key



Generalized Permitting[4]

🟥	Not Permitted
🟨	Conditionally Permitted
🟩	Permitted

Project Features

[ ]	Project Area Boundary
△	Substation (Project Terminal)
⬚	Series Compensation Station Siting Area
┼┼┼	Alternative Route
●	345kV Proposed Relocation (Inset A)
●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
●	345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

●	City or Town
▲	Substation
■	Power Plant
- - -	500kV Transmission Line
- - -	345kV Transmission Line
- - -	230kV Transmission Line
- - -	138kV Transmission Line
┼┼┼	Railroad
●─●	Pipeline
70	Interstate Highway
40	U.S. Highway
24	State Highway
▨	Lake or Reservoir
-·-·	River or Stream
▭	State Boundary
▭	County Boundary
▭	Jurisdictional Boundary

Sources:

Planned Land Use Zoning, Carbon County, Utah 2012, Carbon County, Wyoming 2011, Duchesne County 2014, Emery County 2012, Garfield County 2014, Grand County 2011, Mesa County 2013, Moffat County 2009, Rio Blanco County 2010, Routt County 2011, Sanpete County 2010, 2011, Sweetwater County 2012, Uintah County 2009, Utah County 2011, Wasatch County 2013, Rangely City 2009;
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Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
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Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
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Notes:

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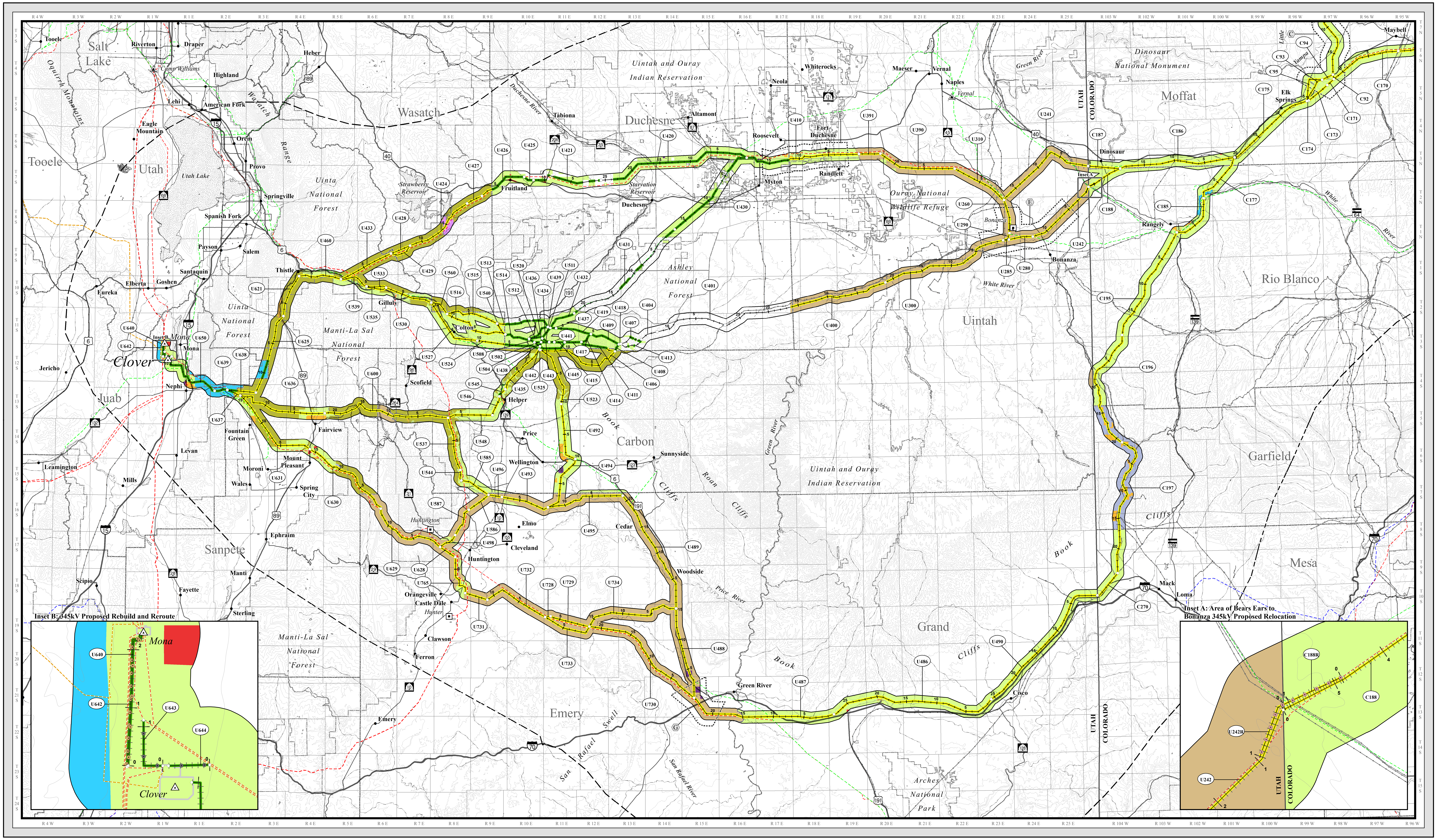
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

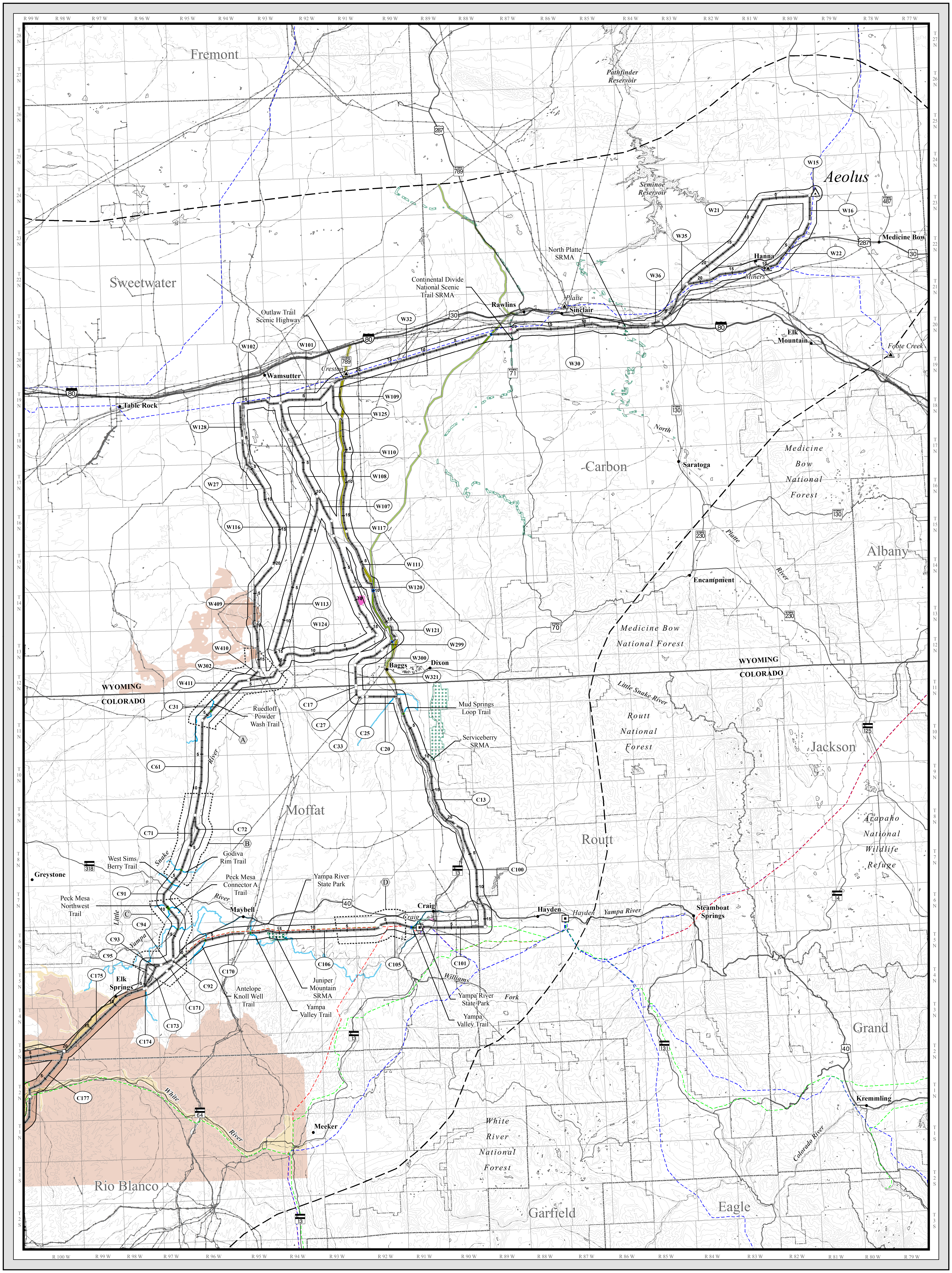
FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles



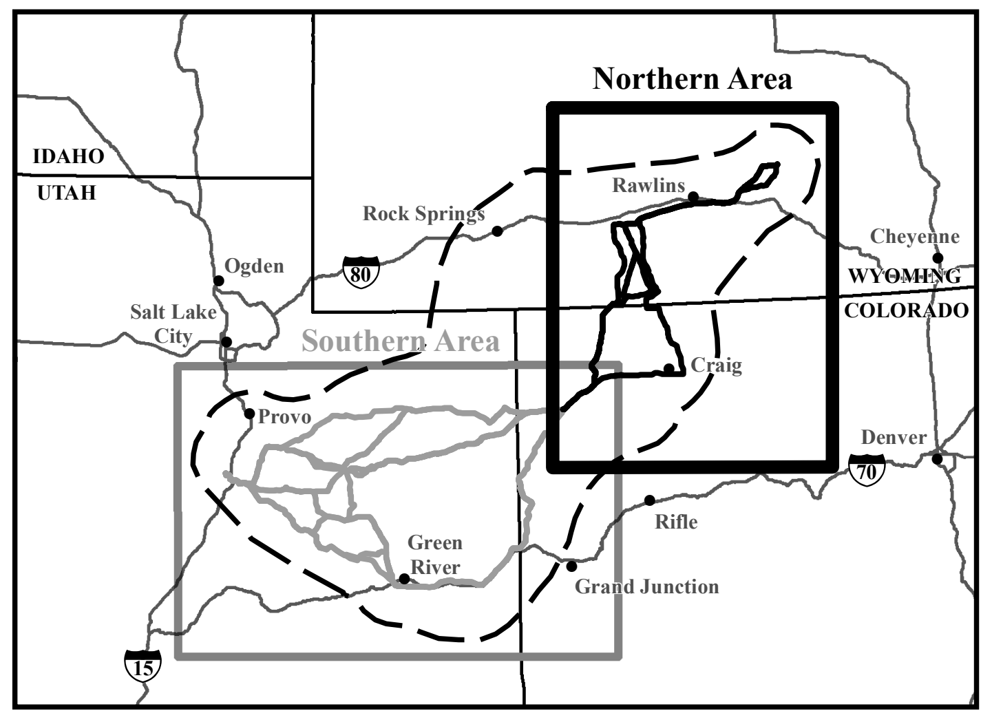


MV-17a

Parks, Preservation, and Recreation

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

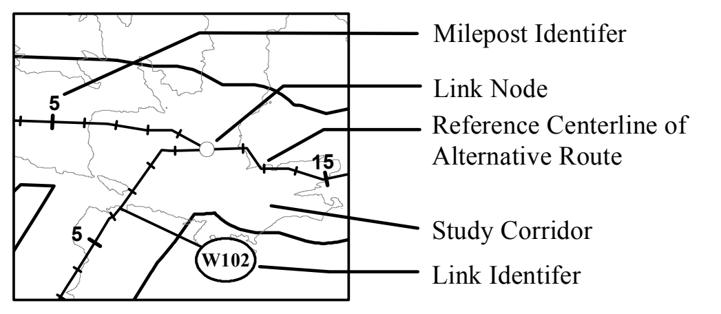
RECREATION RESOURCES[1]

- Non-Motorized Trail[2]
- Motorized Trail[2]
- Rawlins to Baggs Road Trail
- 🟪 Recreation Use Area[3]
- Scenic Byway or Backway
- 🟩 State Park
- ▨ Special Recreation Management Area (SRMA)

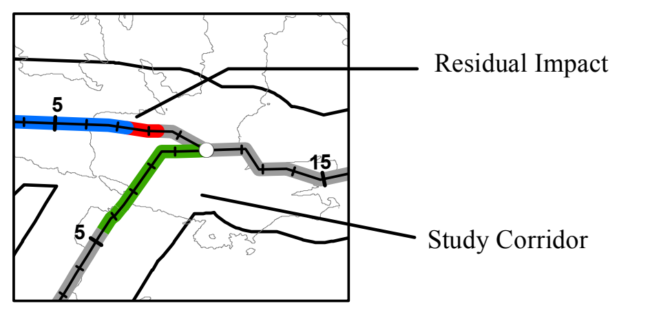
RECREATION OPPORTUNITY SPECTRUM[1]

- 🟫 Primitive
- 🟫 Semi-Primitive Non-Motorized
- 🟫 Semi-Primitive Motorized/Front/Middle Country
- 🟨 Roaded Natural
- 🟨 Rural
- 🟨 Urban

Inventory Key



Impact Key



Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ⬜ No Identifiable

Project Features

- Project Area Boundary
- Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Recreation Trails, BLM 2007, 2010, 2011, 2012, USFS 2010, 2012, 2013, 2014, Carbon County 2005, 2011, Garfield County 1993, Mesa County 2011; Rawlins to Baggs Road, BLM 2010;
Recreation Use Areas as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Scenic Byways and Backways, BLM 2011, USFS 2009, 2012, ESRI 2008;
State Park or Recreation Area, BLM 2010, 2011, CPW 2011, 2014, University of Wyoming 1996;
Special Recreation Management Areas, BLM 2003, 2007, 2008, 2011;
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Notes:

[1] Only recreation resources and the recreation opportunity spectrum classes that intersect the 2-mile-wide land use study corridor are shown on this map, and these are shown within the Project area boundary.

[2] Only officially named or numbered motorized and non-motorized trails that intersect the alternative route centerline are labeled on this map.

[3] Recreation use areas include campgrounds, parks, snow kite areas, ATV use areas, etc.

- Special recreation management areas, scenic byways, and the recreation opportunity spectrum were not assessed using impact levels. Instead, these areas are discussed in terms of miles the Project would cross and a qualitative discussion of how this crossing may affect the management prescriptions and relevant/important values or special characteristics of these land use designations.
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FINAL EIS
September 2015

Scale in Miles
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MV-17b

Parks, Preservation, and Recreation

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

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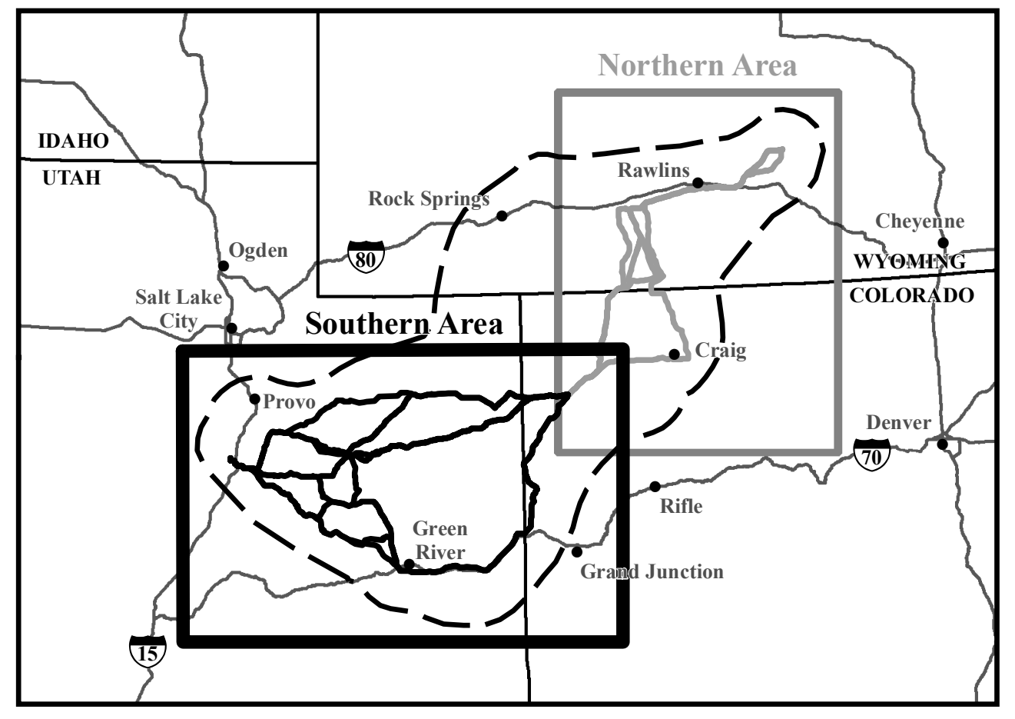

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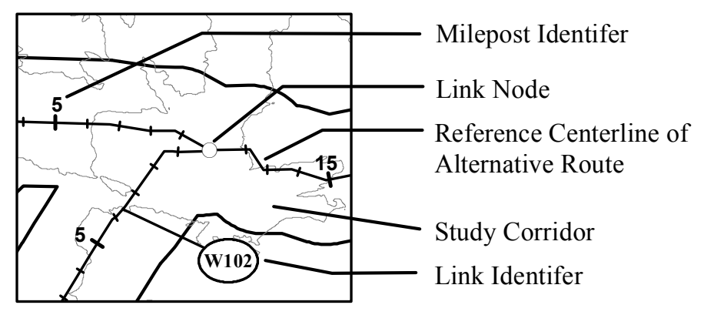

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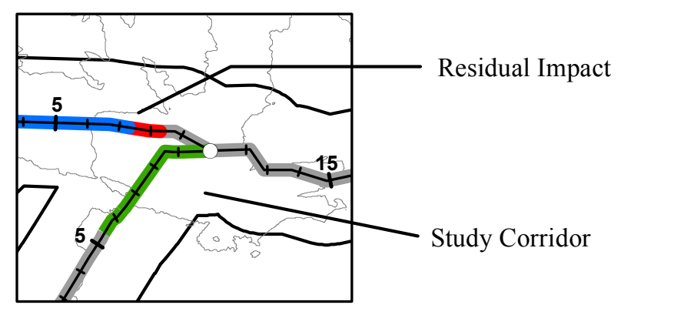

Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ⬜ No Identifiable

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- Pipeline
- Interstate Highway
- U.S. Highway
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- ▨ Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Recreation Trails, BLM 2007, 2010, 2011, 2012, USFS 2010, 2012, 2013, 2014, Carbon County 2005, 2011, Garfield County 1993, Mesa County 2011; Rawlins to Baggs Road, BLM 2010;
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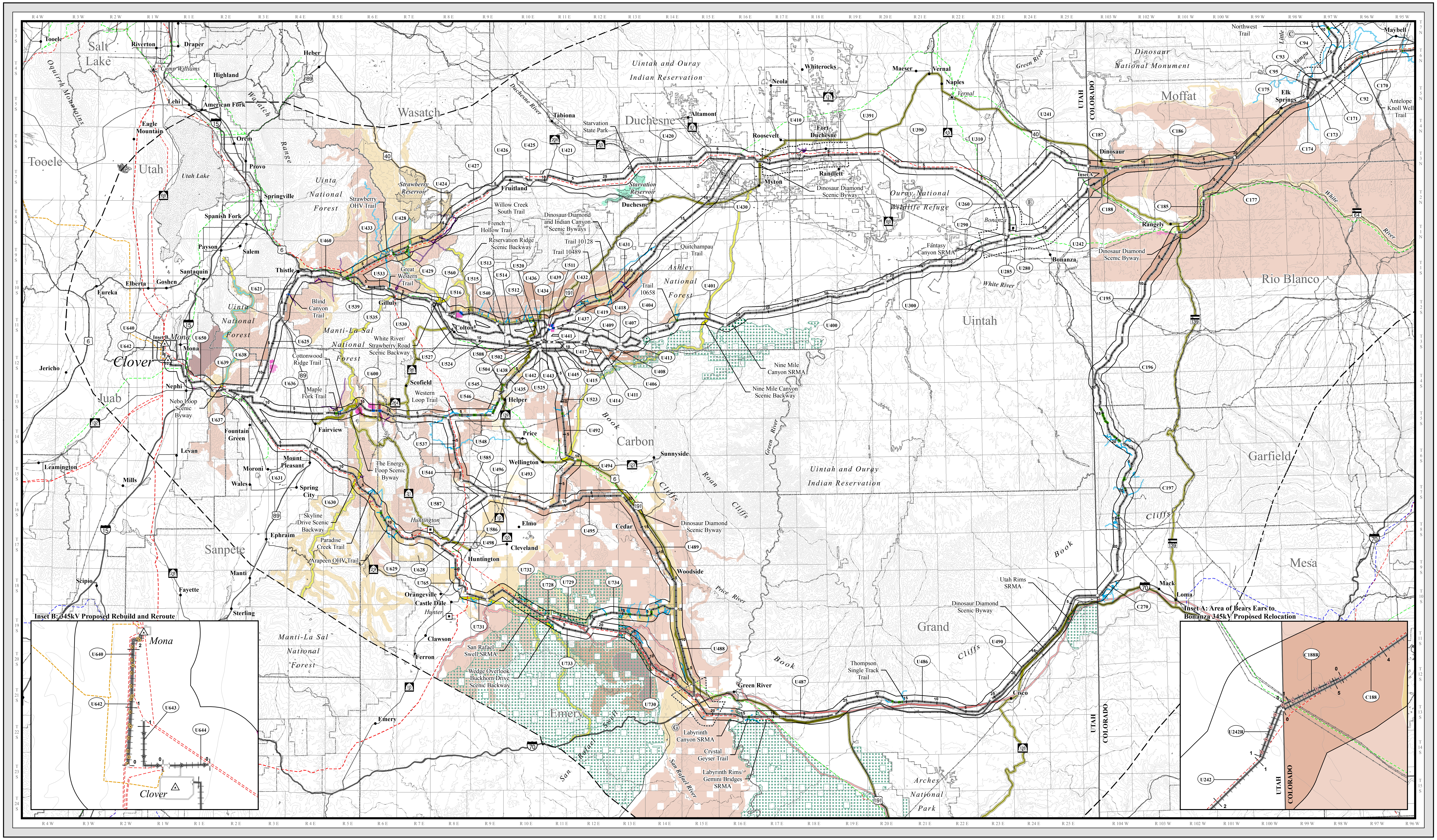
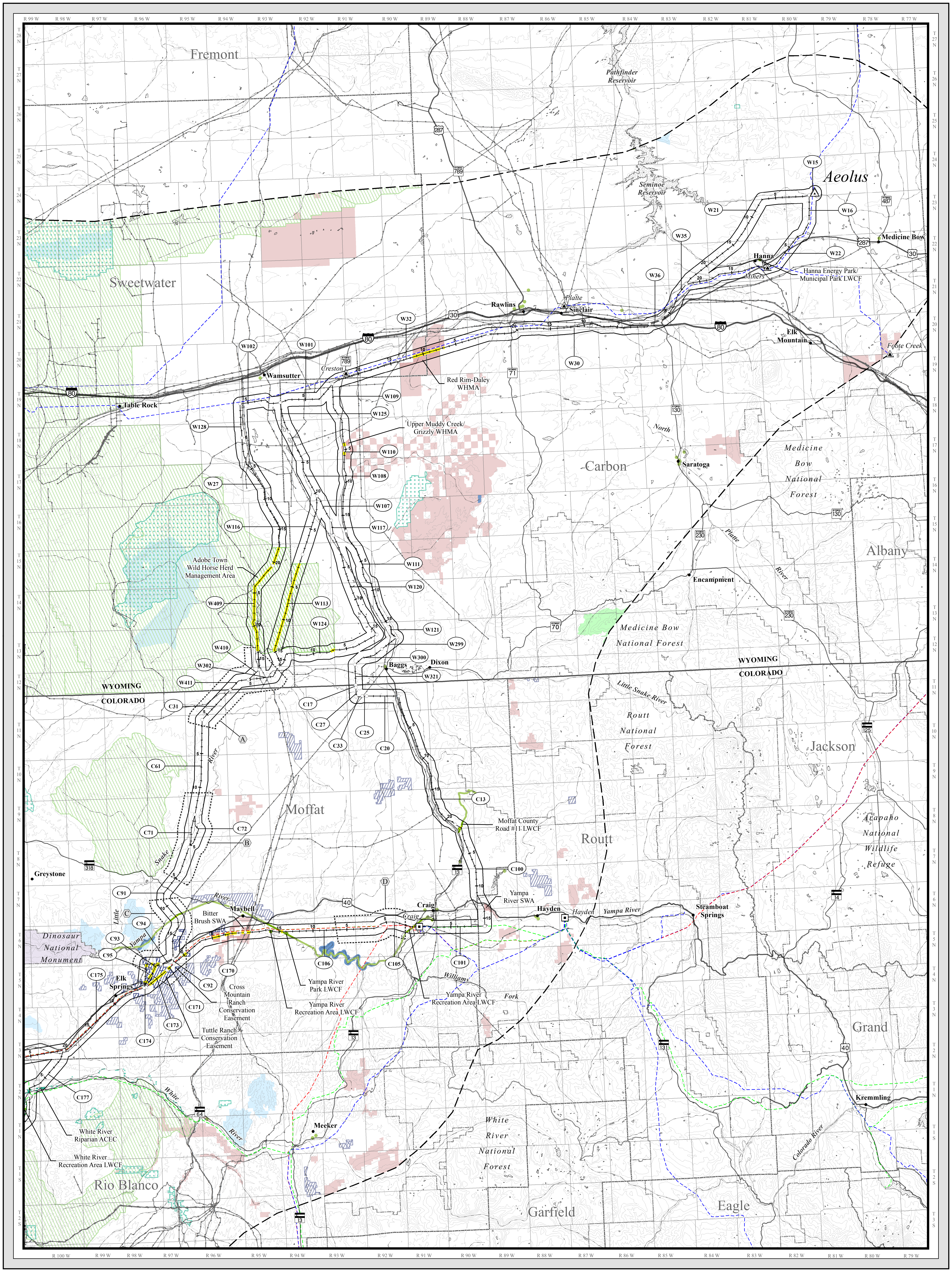
FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



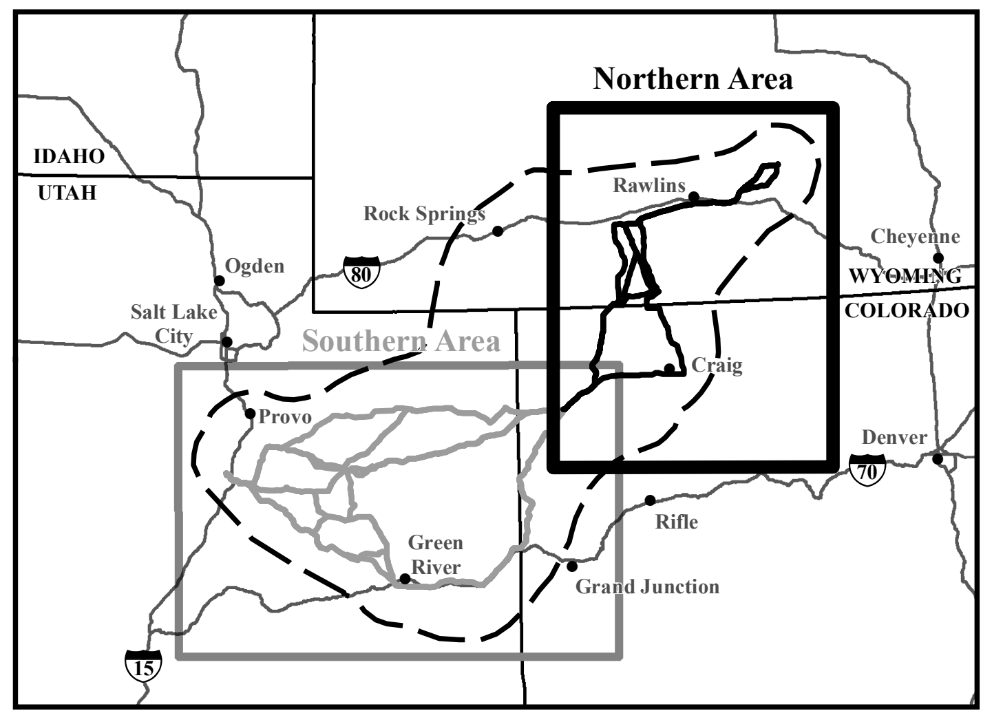


MV-18a

Congressional Designations, Special Designations, and Other Management Areas

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

CONGRESSIONAL DESIGNATIONS[1]

🟪	National Park or National Monument	🟦	Wild and Scenic River (Suitable)
▨	National Conservation Area	🟩	Wilderness Area
🟩	Utah Reclamation Mitigation and Conservation Commission Property	🟦	Wilderness Study Area (WSA)

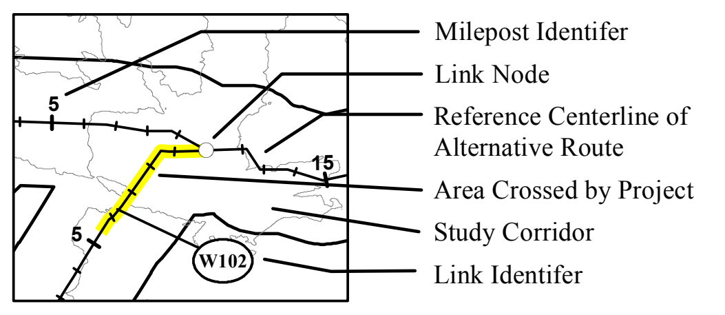
SPECIAL DESIGNATIONS[1]

▦	Area of Critical Environmental Concern (ACEC)	▨	Wild Horse Herd Management Area
🟧	Research Natural Area (RNA)		

OTHER MANAGEMENT AREAS[1]

▨	Conservation Easements	🟥	Wyoming Wildlife Habitat Management Area (WHMA), Colorado State Wildlife Area (SWA), or Utah Wildlife Management Area (WMA)
∿	Lands and Water Conservation Fund Site (LWCF)		
🟪	The Nature Conservancy Property		

Inventory Key



Project Features

	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

●	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line		State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012; National Conservation Areas, BLM 2011;
Research Natural Areas, USFS 2009; Wild Horse Herd Management Areas, BLM 2004, 2005, 2009, 2010;
National Park or National Monument, BLM 2013;
Utah Reclamation Mitigation and Conservation Commission Properties, URMCC 2012;
Wild and Scenic Rivers, BLM 2008, 2010, 2011; Wilderness Areas, BLM 2009, USFS 2009, 2010,
University of Montana 2010; Wilderness Study Areas, BLM 2000, 2003, 2009, 2012;
Conservation Easements, BLM 2015, NRCS 2011, Colorado State Land Board 2010, CPW 2010, 2013, UDWR 2006,
2011, 2012, 2013, Utah Forestry Legacy Program 2006, Garfield County 2011, Utah County 2009, NCED 2014;
Lands and Water Conservation Fund Sites, Colorado State Park Department 2011, Utah State Park Department 2009,
Wyoming State Park Department 2011;
The Nature Conservancy Properties, UDWR 2013, Duchesne County 2012;
National or State Wildlife Management Areas, BLM 2005, 2010, FWS 2007, CPW 2010,
UDWR 2006, 2013, WGFD 2014;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Special designations, congressional designations and other management areas are only shown within the Project area boundary, and those that intersect the 2-mile-wide land use study corridor are labeled.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

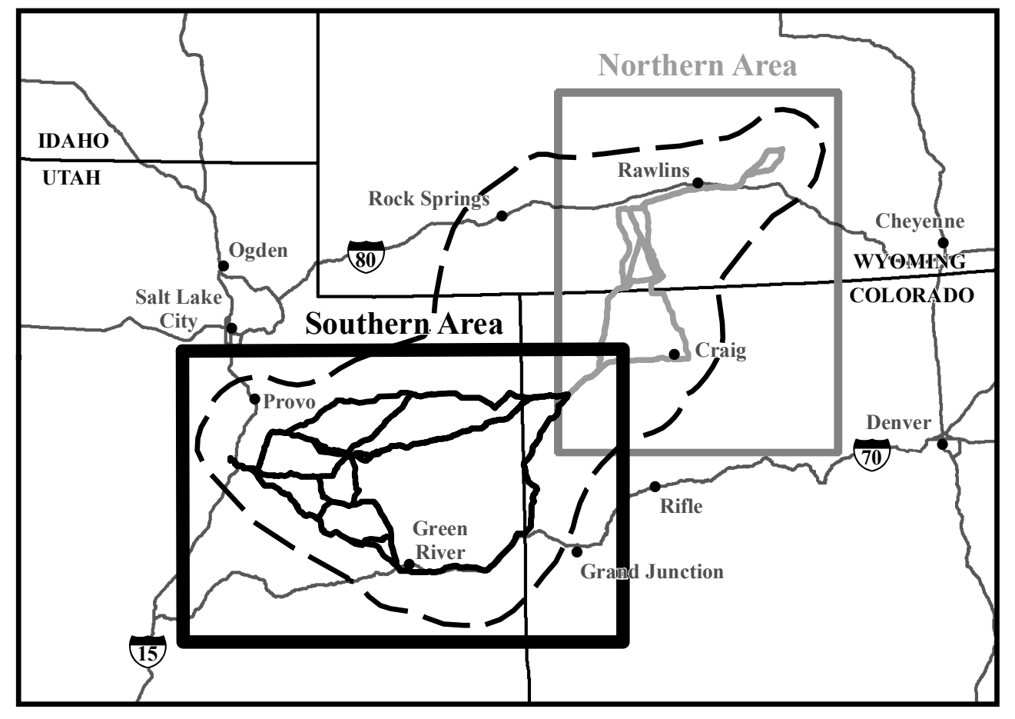
MV-18b

Congressional Designations, Special Designations, and Other Management Areas

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

CONGRESSIONAL DESIGNATIONS[1]

- 🟪 National Park or National Monument
- ▨ National Conservation Area
- 🟩 Utah Reclamation Mitigation and Conservation Commission Property
- 🟦 Wild and Scenic River (Suitable)
- 🟩 Wilderness Area
- 🟦 Wilderness Study Area (WSA)

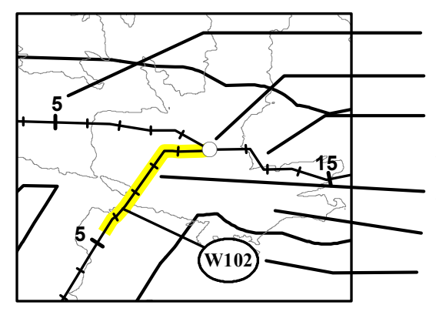
SPECIAL DESIGNATIONS[1]

- ▦ Area of Critical Environmental Concern (ACEC)
- 🟧 Research Natural Area (RNA)
- ▨ Wild Horse Herd Management Area

OTHER MANAGEMENT AREAS[1]

- ▨ Conservation Easements
- ● Lands and Water Conservation Fund Site (LWCF)
- 🟪 The Nature Conservancy Property
- 🟥 Wyoming Wildlife Habitat Management Area (WHMA), Colorado State Wildlife Area (SWA), or Utah Wildlife Management Area (WMA)

Inventory Key



Project Features

- [__] Project Area Boundary
- △ Substation (Project Terminal)
- ⬚ Ⓐ Series Compensation Station Siting Area
- ┼┼┼ Alternative Route
- ●—● 345kV Proposed Relocation (Inset A)
- ●—● 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- ●—● 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- - - - 500kV Transmission Line
- - - - 345kV Transmission Line
- - - - 230kV Transmission Line
- - - - 138kV Transmission Line
- ┼┼┼ Railroad
- ●—● Pipeline
- 70 Interstate Highway
- 40 U.S. Highway
- 24 State Highway
- ▒ Lake or Reservoir
- —·— River or Stream
- ▭ State Boundary
- ▭ County Boundary
- ⬚ Jurisdictional Boundary

Sources:

Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012; National Conservation Areas, BLM 2011; Research Natural Areas, USFS 2009; Wild Horse Herd Management Areas, BLM 2004, 2005, 2009, 2010; National Park or National Monument, BLM 2013; Utah Reclamation Mitigation and Conservation Commission Properties, URMCC 2012; Wild and Scenic Rivers, BLM 2008, 2010, 2011; Wilderness Areas, BLM 2009, USFS 2009, 2010, University of Montana 2010; Wilderness Study Areas, BLM 2000, 2003, 2009, 2012; Conservation Easements, BLM 2015, NRCS 2011, Colorado State Land Board 2010, CPW 2010, 2013, UDWR 2006, 2011, 2012, 2013, Utah Forestry Legacy Program 2006, Garfield County 2011, Utah County 2009, NCED 2014; Lands and Water Conservation Fund Sites, Colorado State Park Department 2011, Utah State Park Department 2009, Wyoming State Park Department 2011; The Nature Conservancy Properties, UDWR 2013, Duchesne County 2012; National or State Wildlife Management Areas, BLM 2005, 2010, FWS 2007, CPW 2010, UDWR 2006, 2013, WGFD 2014; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Special designations, congressional designations and other management areas are only shown within the Project area boundary, and those that intersect the 2-mile-wide land use study corridor are labeled.

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- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

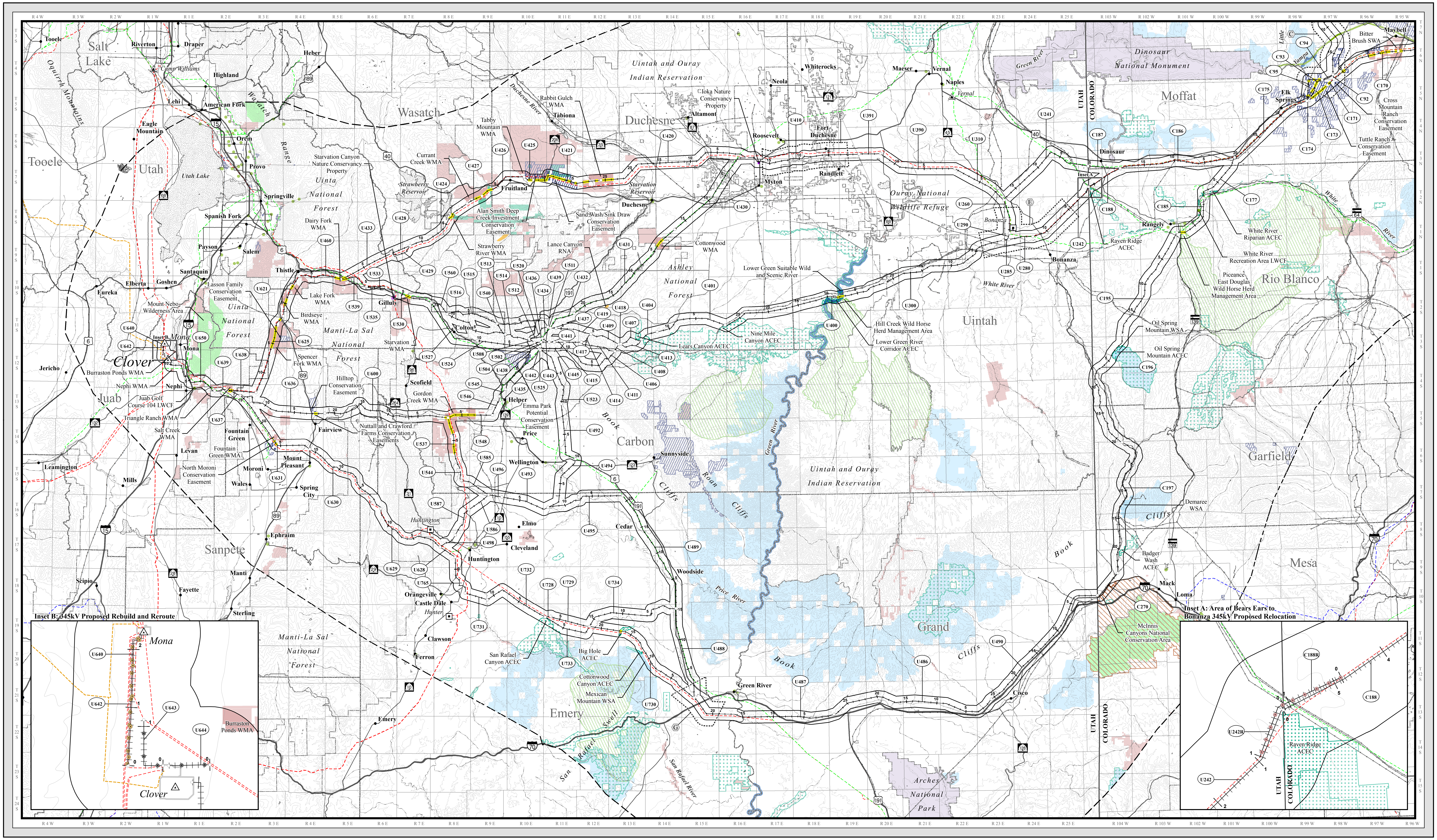
FINAL EIS

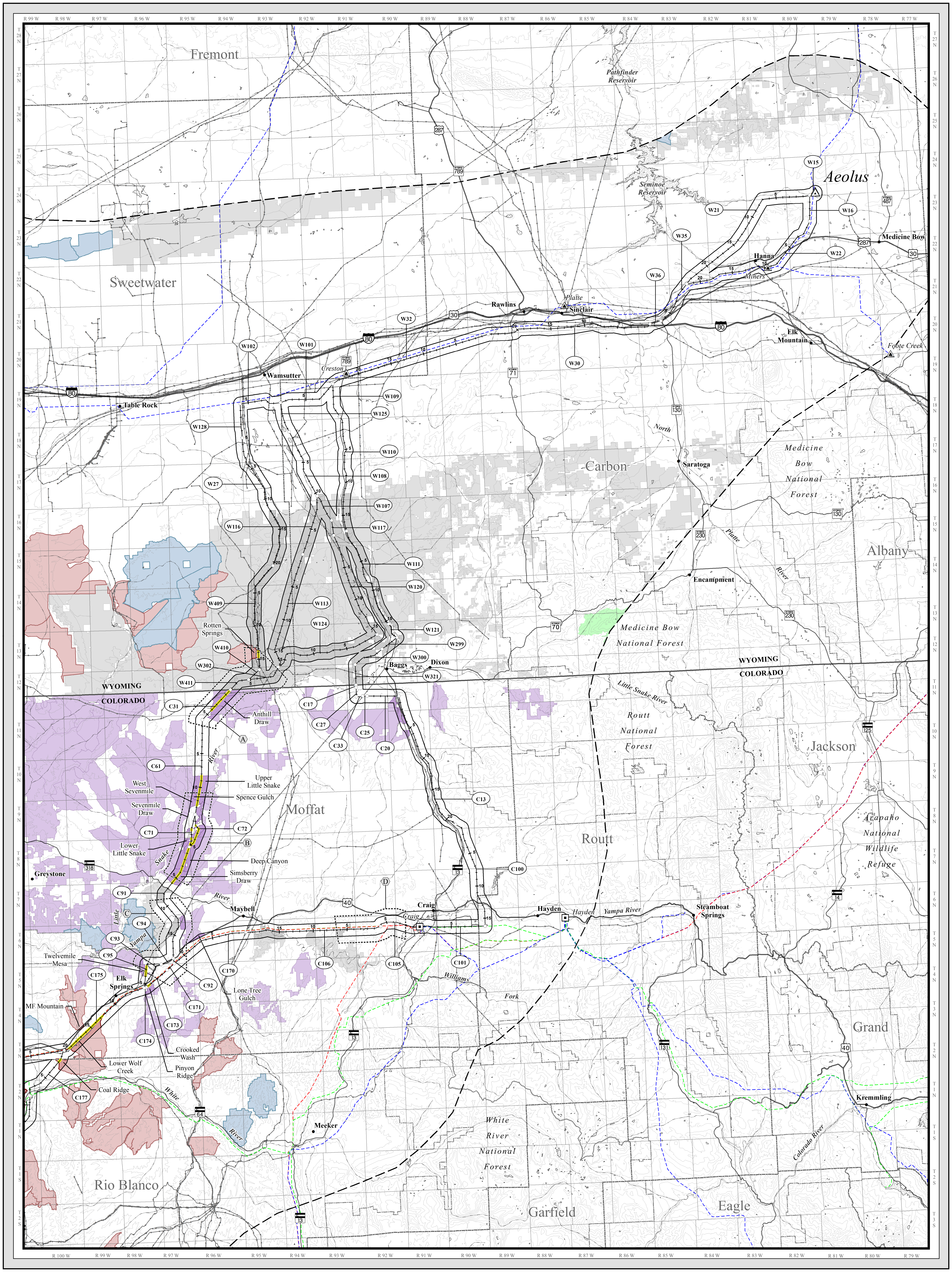
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles



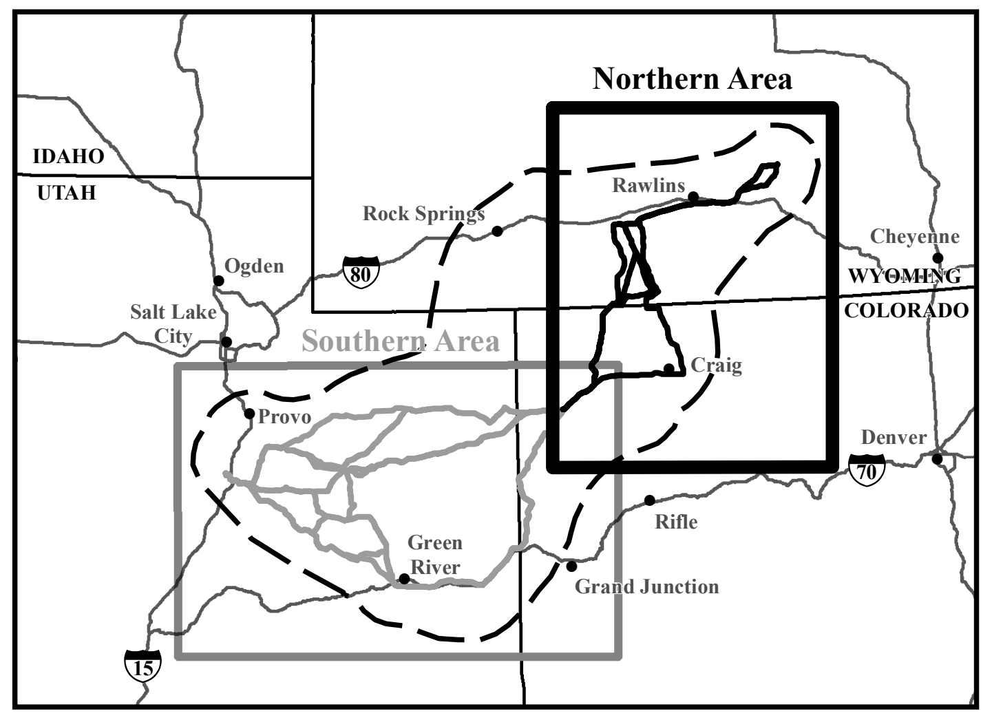


MV-19a

Wilderness Areas, Wilderness Study Areas, and Lands with Wilderness Characteristics

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

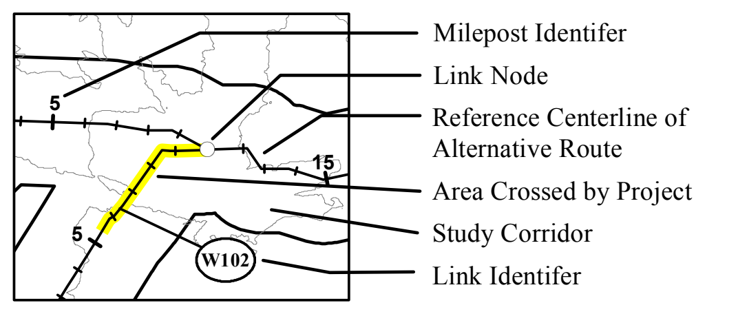
WILDERNESS AREAS AND WILDERNESS STUDY AREAS[1]

🟩 Wilderness Area
🟦 Wilderness Study Area (WSA)

LANDS WITH WILDERNESS CHARACTERISTICS[1]

🟥 Inventoried Lands with Wilderness Characteristics
🟪 Inventoried Lands with Wilderness Characteristics Pending Planning Process Review
⬜ Land Inventoried - No Wilderness Characteristics Identified
🟩 Pending Review of New Information

Inventory Key



Project Features

⌜⌟	Project Area Boundary		345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Ⓐ	Series Compensation Station Siting Area		345kV Proposed Reroute (Segment 4c - Inset B)
	Alternative Route		

General Reference

•	City or Town		Interstate Highway
▲	Substation		U.S. Highway
▣	Power Plant		State Highway
	500kV Transmission Line		Lake or Reservoir
	345kV Transmission Line		River or Stream
	230kV Transmission Line		State Boundary
	138kV Transmission Line		County Boundary
	Railroad		Jurisdictional Boundary
	Pipeline		

Sources:

Wilderness Areas, BLM 2009, USFS 2009, 2010, University of Montana 2010;
Wilderness Study Areas, BLM 2000, 2003, 2009, 2012;
Lands with Wilderness Characteristics, BLM 2007, 2008, 2011, 2012, 2013, 2014, 2015;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Wilderness areas, WSAs, and lands with wilderness characteristics are only shown within the Project area boundary, and those that intersect the 2-mile-wide land use study corridor are labeled.
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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

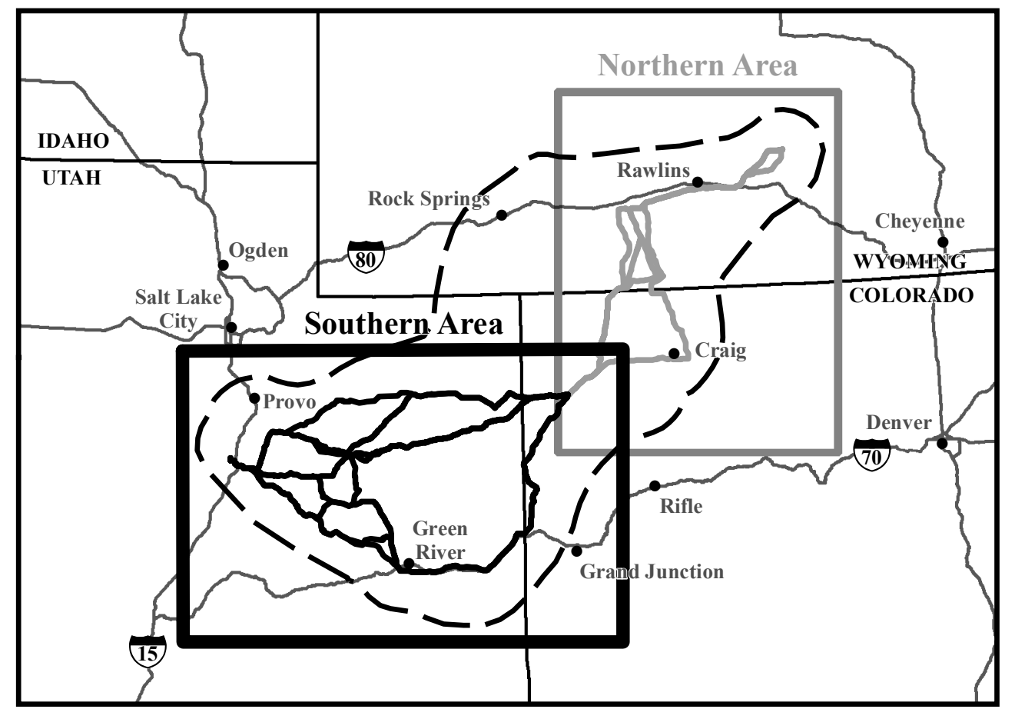
MV-19b

Wilderness Areas, Wilderness Study Areas, and Lands with Wilderness Characteristics

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

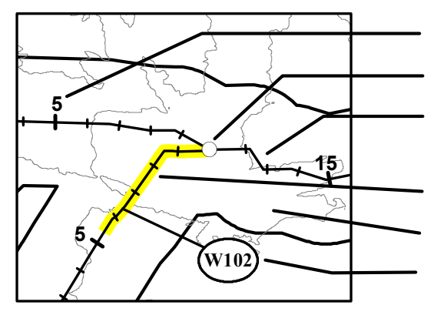
WILDERNESS AREAS AND WILDERNESS STUDY AREAS[1]

🟩	Wilderness Area
🟦	Wilderness Study Area (WSA)

LANDS WITH WILDERNESS CHARACTERISTICS[1]

🟥	Inventoried Lands with Wilderness Characteristics
🟪	Inventoried Lands with Wilderness Characteristics Pending Planning Process Review
⬜	Land Inventoried - No Wilderness Characteristics Identified
🟩	Pending Review of New Information

Inventory Key



Project Features

⌜ ⌝	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	— · · —	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Wilderness Areas, BLM 2009, USFS 2009, 2010, University of Montana 2010;
Wilderness Study Areas, BLM 2000, 2003, 2009, 2012;
Lands with Wilderness Characteristics, BLM 2007, 2008, 2011, 2012, 2013, 2014, 2015;
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Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Wilderness areas, WSAs, and lands with wilderness characteristics are only shown within the Project area boundary, and those that intersect the 2-mile-wide land use study corridor are labeled.

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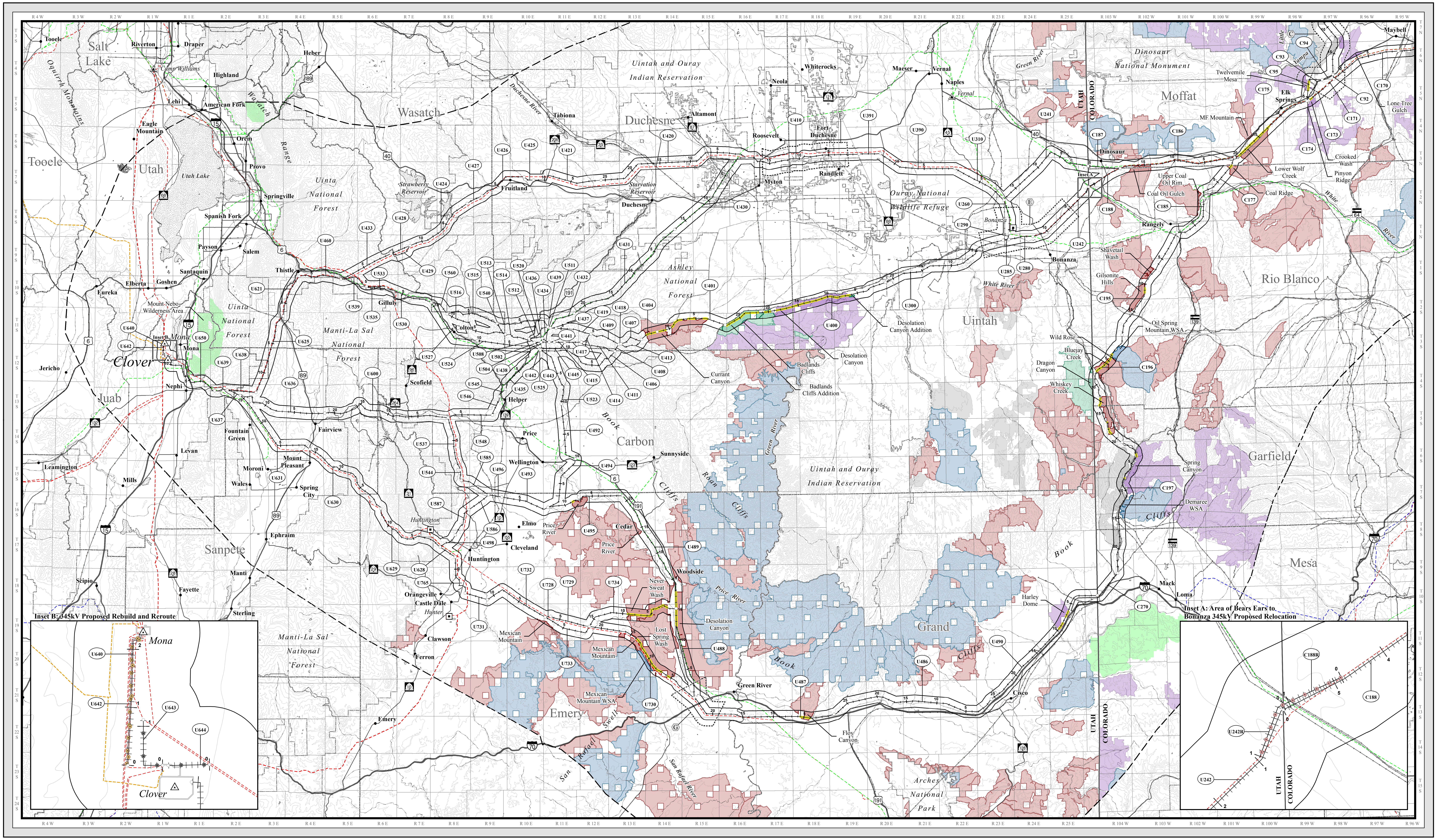
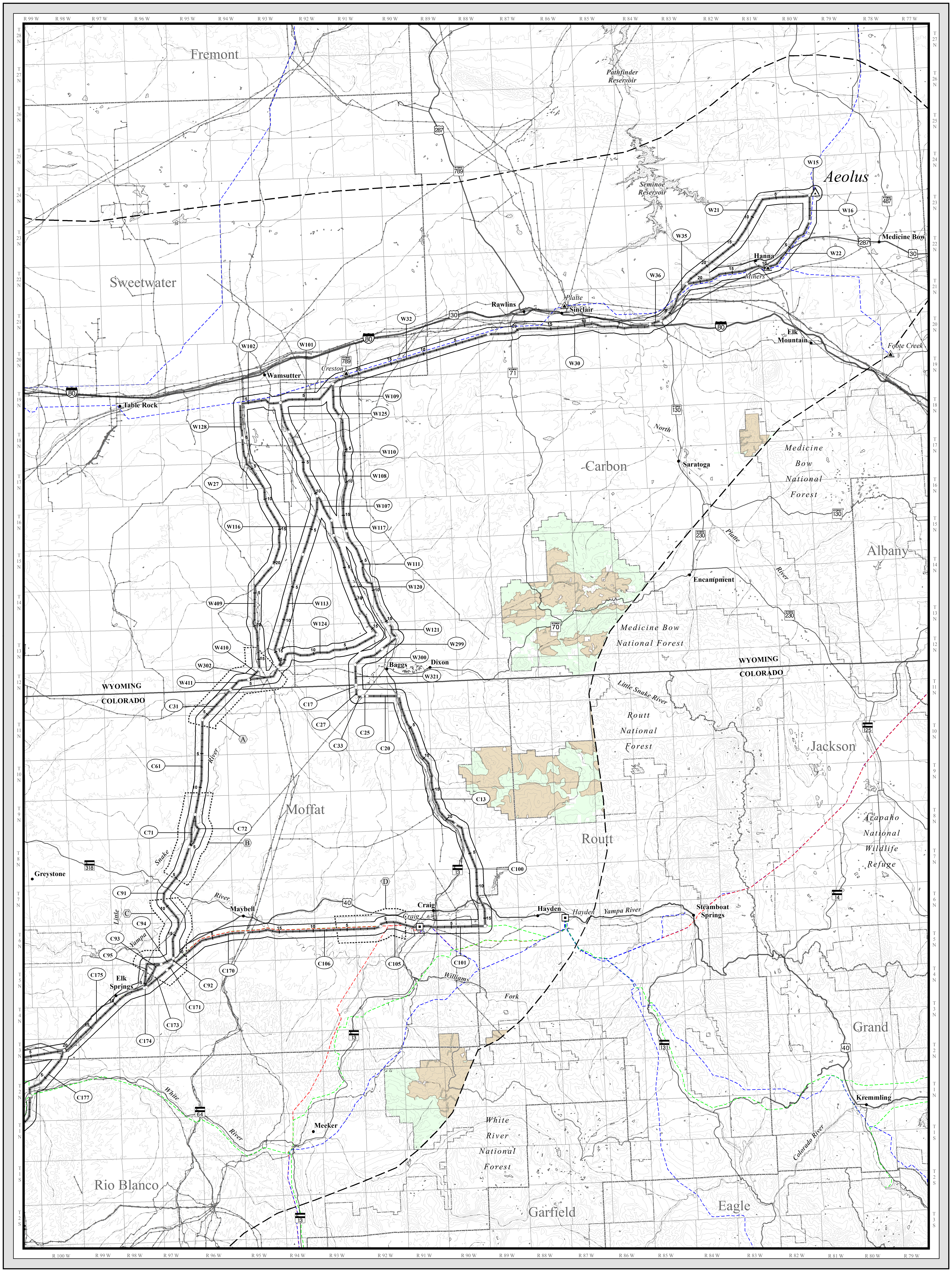
FINAL EIS
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles



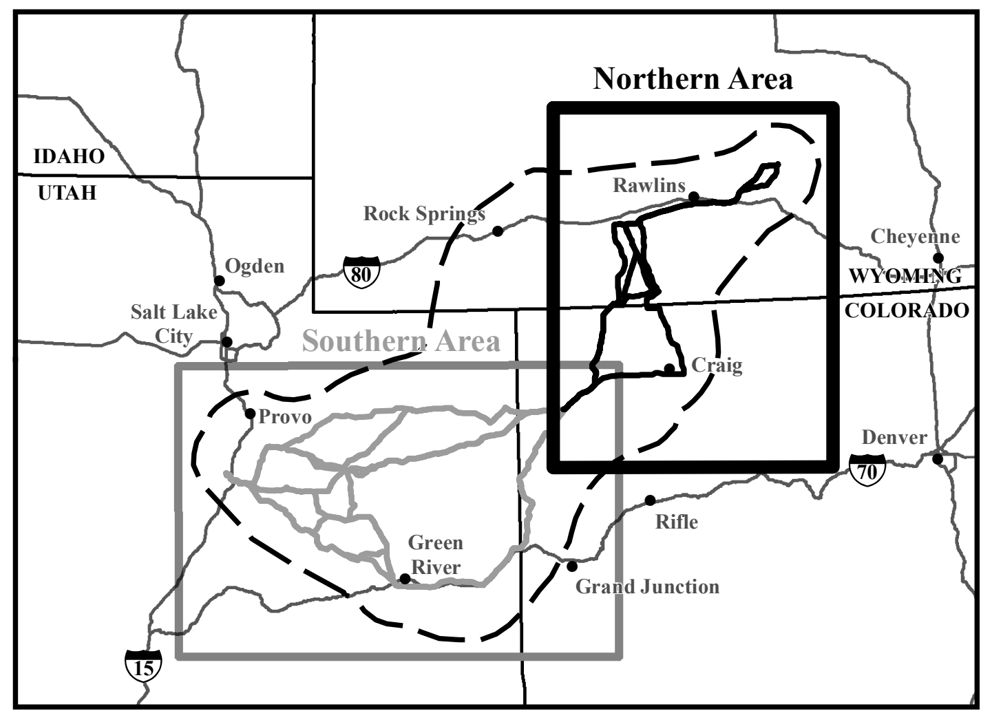


MV-20a

Inventoried Roadless and Unroaded/Undeveloped Areas

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

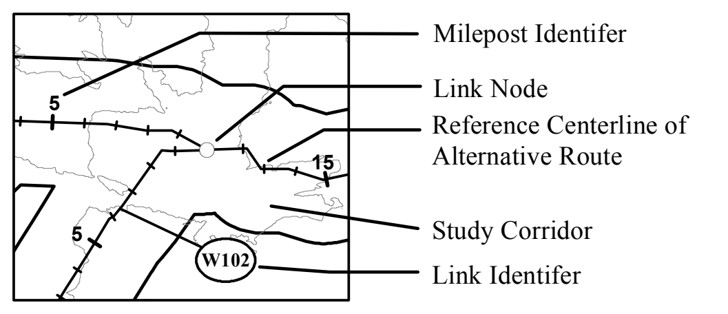
INVENTORIED ROADLESS AND UNROADED/UNDEVELOPED AREAS[1]

▨	Inventoried Roadless Area (IRA)
▨	Unroaded/Undeveloped (U/U) Area

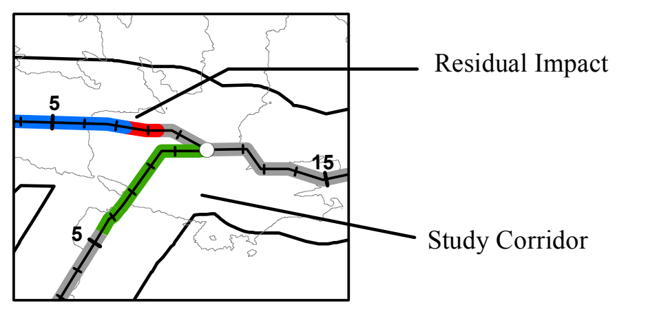
LAND OWNERSHIP

🟩	U.S. Forest Service

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	○—○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○—○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	○—○	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
•—•—•	Pipeline		

Sources:

Inventoried Roadless Areas, USFS 2012; Unroaded and Undeveloped Areas, USFS 2010, 2012;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] IRAs and U/U areas are only shown in the Project area boundary, and those that intersect the 2-mile-wide land use study corridor are labeled.

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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

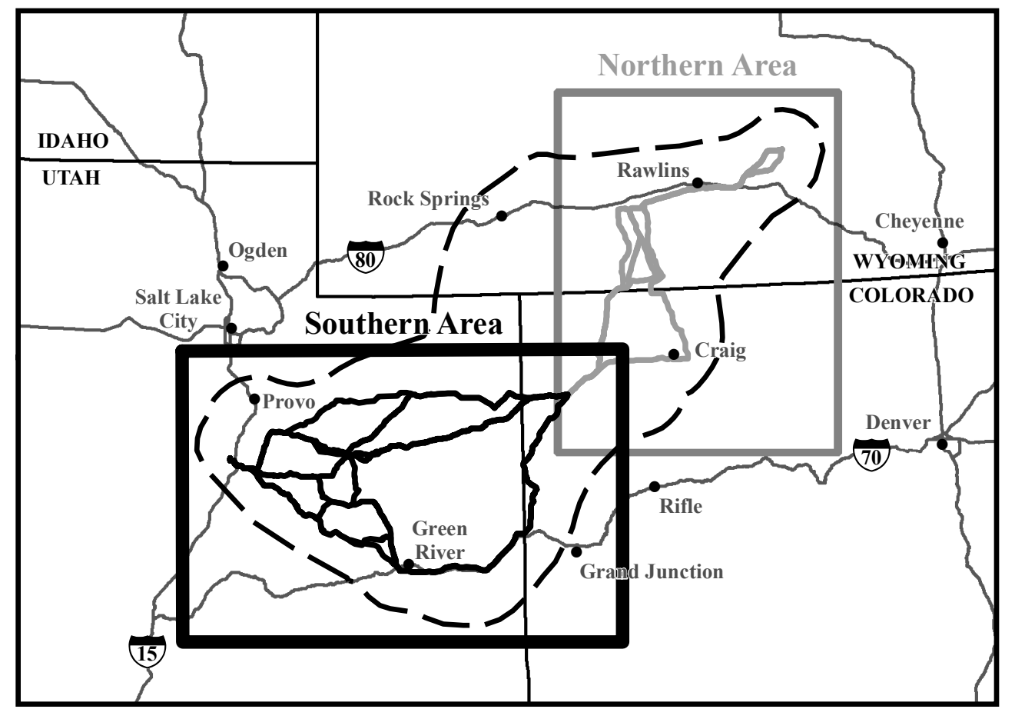
MV-20b

Inventoried Roadless and Unroaded/Undeveloped Areas

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

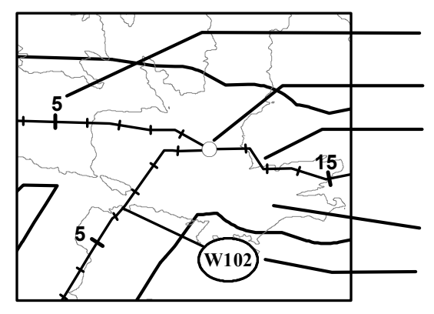
INVENTORIED ROADLESS AND UNROADED/UNDEVELOPED AREAS[1]

🟫	Inventoried Roadless Area (IRA)
▨	Unroaded/Undeveloped (U/U) Area

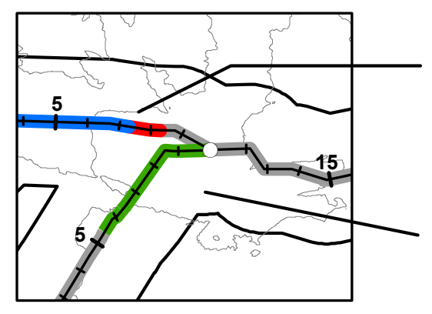
LAND OWNERSHIP

🟩	U.S. Forest Service

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Inventoried Roadless Areas, USFS 2012; Unroaded and Undeveloped Areas, USFS 2010, 2012;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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FINAL EIS

September 2015

Scale in Miles

0 3 6 12 18 Miles

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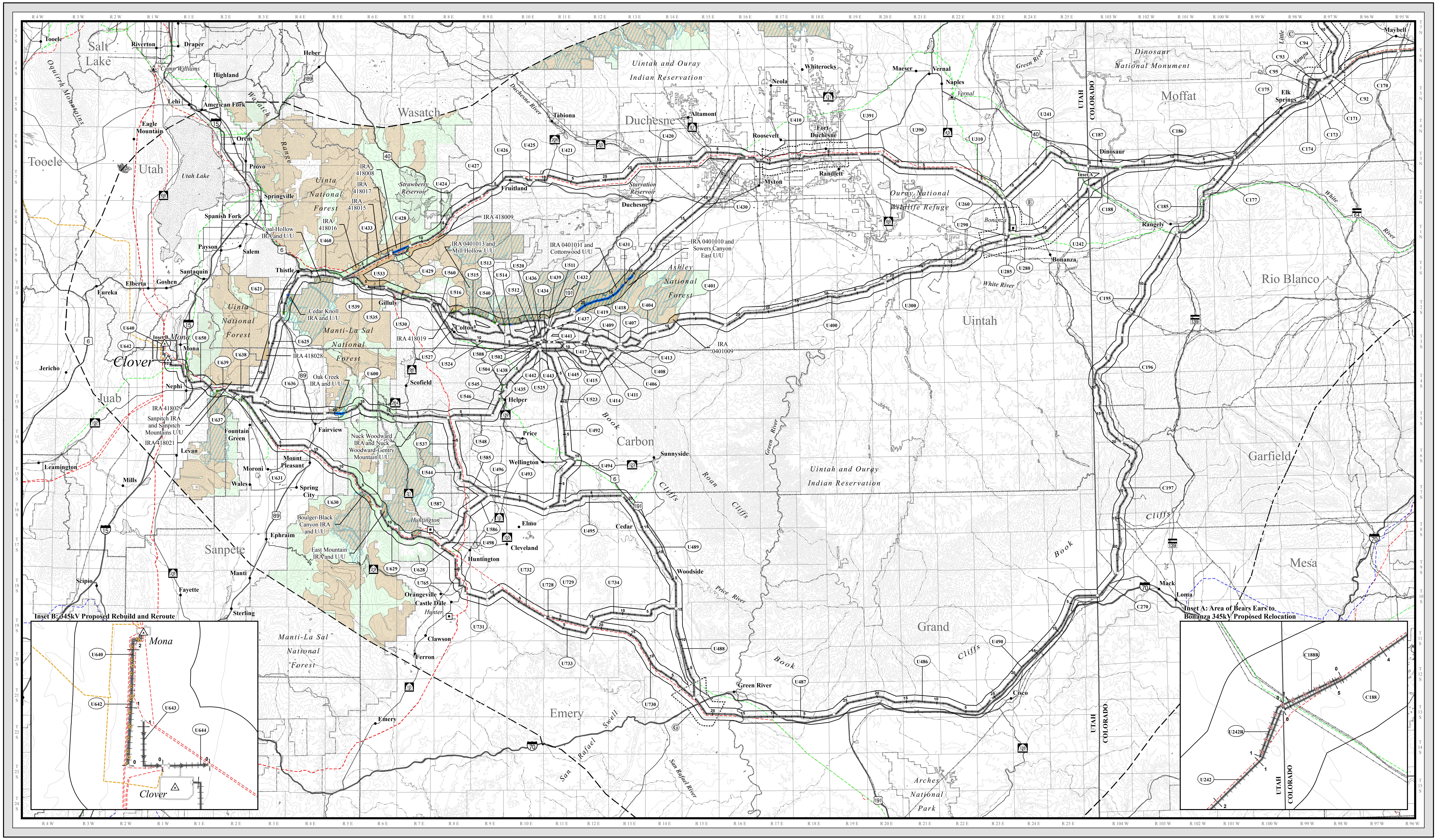
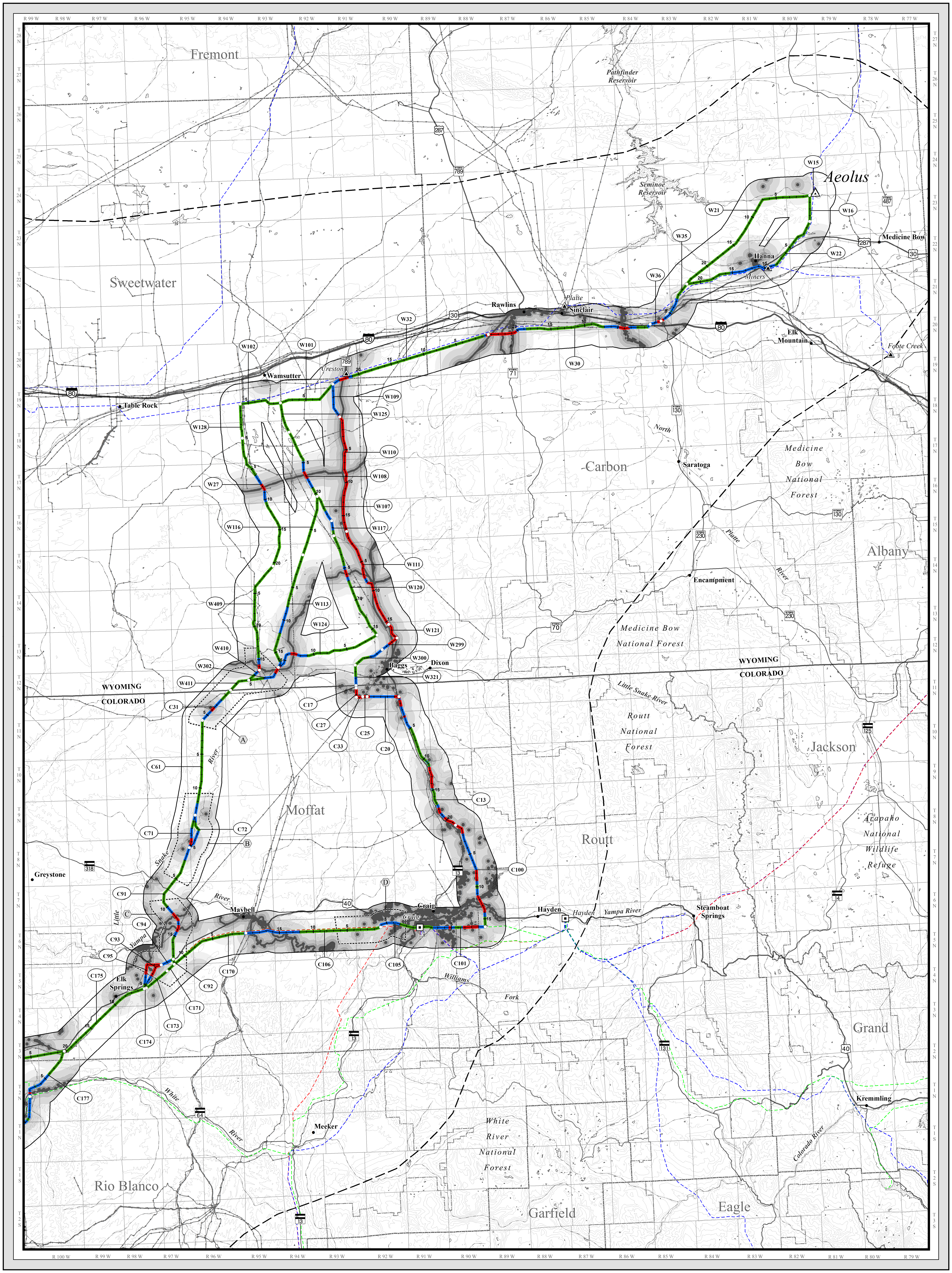


Visual Resources

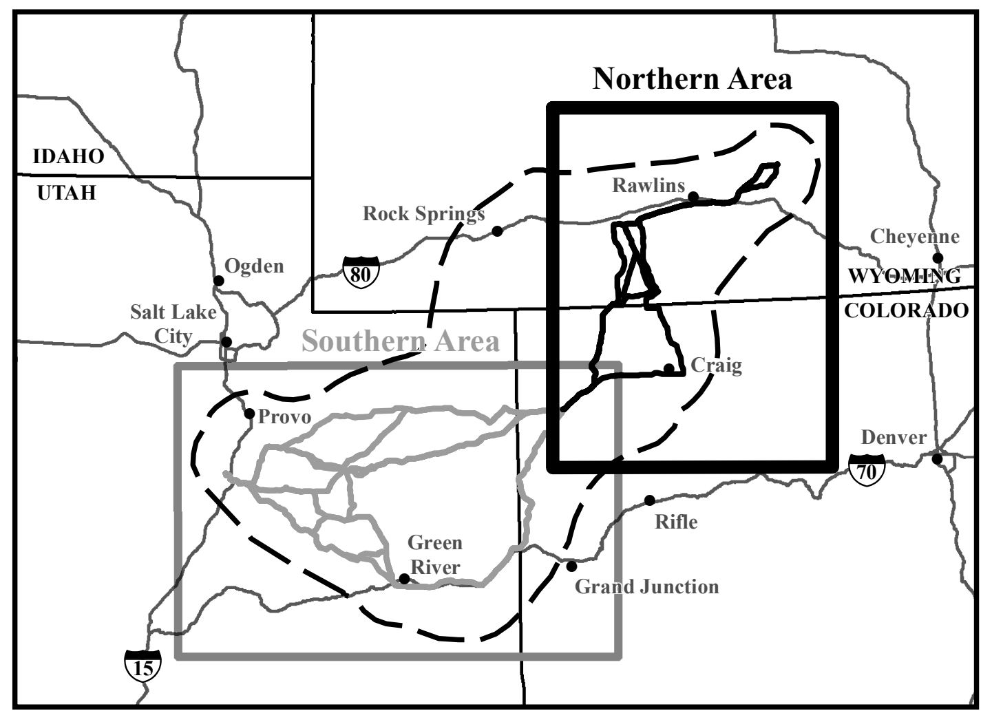
MV-21a



High Concern Viewers

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

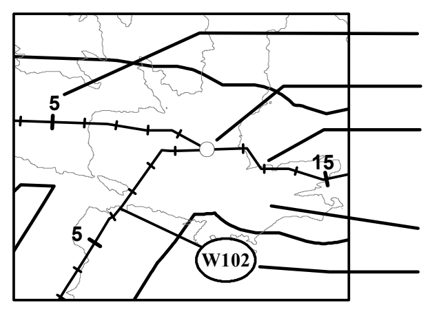
HIGH CONCERN VIEWERS[1]

●⚡▪	High Concern Level Viewer

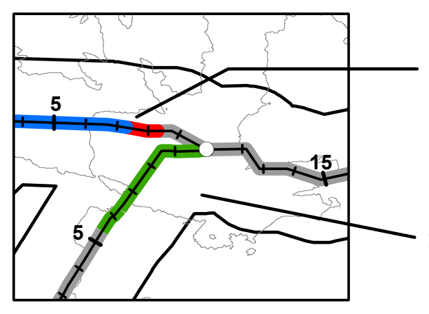
INFLUENCE ZONES[1]

▩	0 to 0.5 mile
▩	0.5 to 1.0 mile
▨	1.0 to 2.0 miles
▨	2.0 to 3.0 miles
☐	Over 3.0 miles

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[_]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
+++ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▒	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	⬚	County Boundary
+++	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012;
Special Recreation Management Areas, BLM 2003, 2007, 2008, 2011;
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National Wildlife Refuges, BLM 2010; Visually Sensitive Travel Routes as digitized by EPG, NAIP 2011, ESRI 2008;
Visually Sensitive Waterways and Water Bodies, USGS 2011;
Recreation Trails, BLM 2007, 2010, 2011, 2012, 2013, 2014, USFS 2010, 2012, 2013, 2014, Carbon County 2005, 2011, Garfield County 1993, Mesa County 2011;
Scenic Byways, BLM 2011, USFS 2009, 2012, ESRI 2008; Canyon Pintado National Historic District, BLM 2009;
National Historic Trails, BLM 2002, 2010, NPS 2014; Continental Divide National Scenic Trail, BLM 2013;
Wilderness Areas, USFS 2009; Wilderness Study Areas, BLM 2000, 2003, 2009, 2012;
State Park or Recreation Area, BLM 2010, 2011, CPW 2011, 2014, University of Wyoming 1996;
Wild and Scenic Rivers, BLM 2008, 2010, 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] High concern viewers and influence zones are only shown within the 6-mile-wide visual resources study corridor.
- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

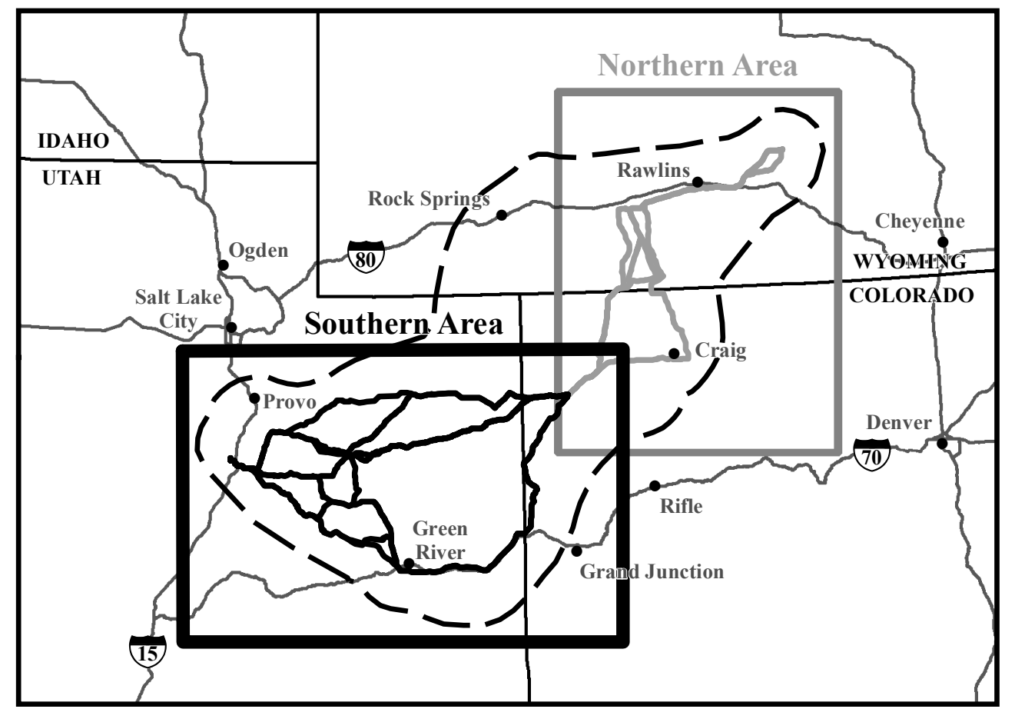
MV-21b

High Concern Viewers

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

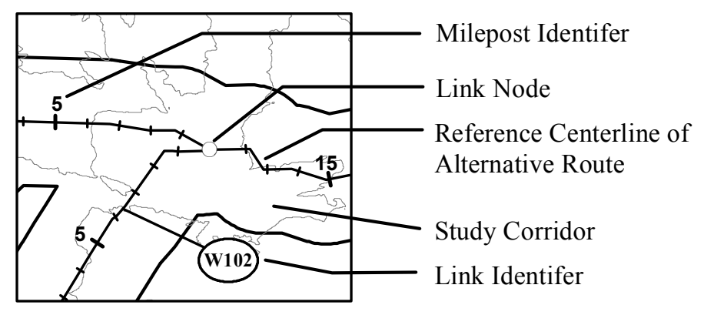
HIGH CONCERN VIEWERS[1]

- ▪ High Concern Level Viewer

INFLUENCE ZONES[1]

- ▨ 0 to 0.5 mile
- ▨ 0.5 to 1.0 mile
- ▨ 1.0 to 2.0 miles
- ▨ 2.0 to 3.0 miles
- ☐ Over 3.0 miles

Inventory Key



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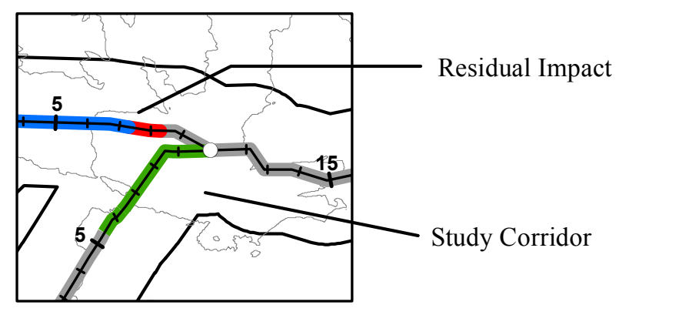


Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚-A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
+++ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·—·	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
+-+-+	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012;
Special Recreation Management Areas, BLM 2003, 2007, 2008, 2011;
National or State Wildlife Management Areas, BLM 2005, 2010, FWS 2007, CPW 2010, UDWR 2006, 2013, WGFD 2014; National Park or National Monument, BLM 2013;
National Wildlife Refuges, BLM 2010; Visually Sensitive Travel Routes as digitized by EPG, NAIP 2011, ESRI 2008;
Visually Sensitive Waterways and Water Bodies, USGS 2011;
Recreation Trails, BLM 2007, 2010, 2011, 2012, 2013, 2014, USFS 2010, 2012, 2013, 2014, Carbon County 2005, 2011, Garfield County 1993, Mesa County 2011;
Scenic Byways, BLM 2011, USFS 2009, 2012, ESRI 2008; Canyon Pintado National Historic District, BLM 2009;
National Historic Trails, BLM 2002, 2010, NPS 2014; Continental Divide National Scenic Trail, BLM 2013;
Wilderness Areas, USFS 2009; Wilderness Study Areas, BLM 2000, 2003, 2009, 2012;
State Park or Recreation Area, BLM 2010, 2011, CPW 2011, 2014, University of Wyoming 1996;
Wild and Scenic Rivers, BLM 2008, 2010, 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

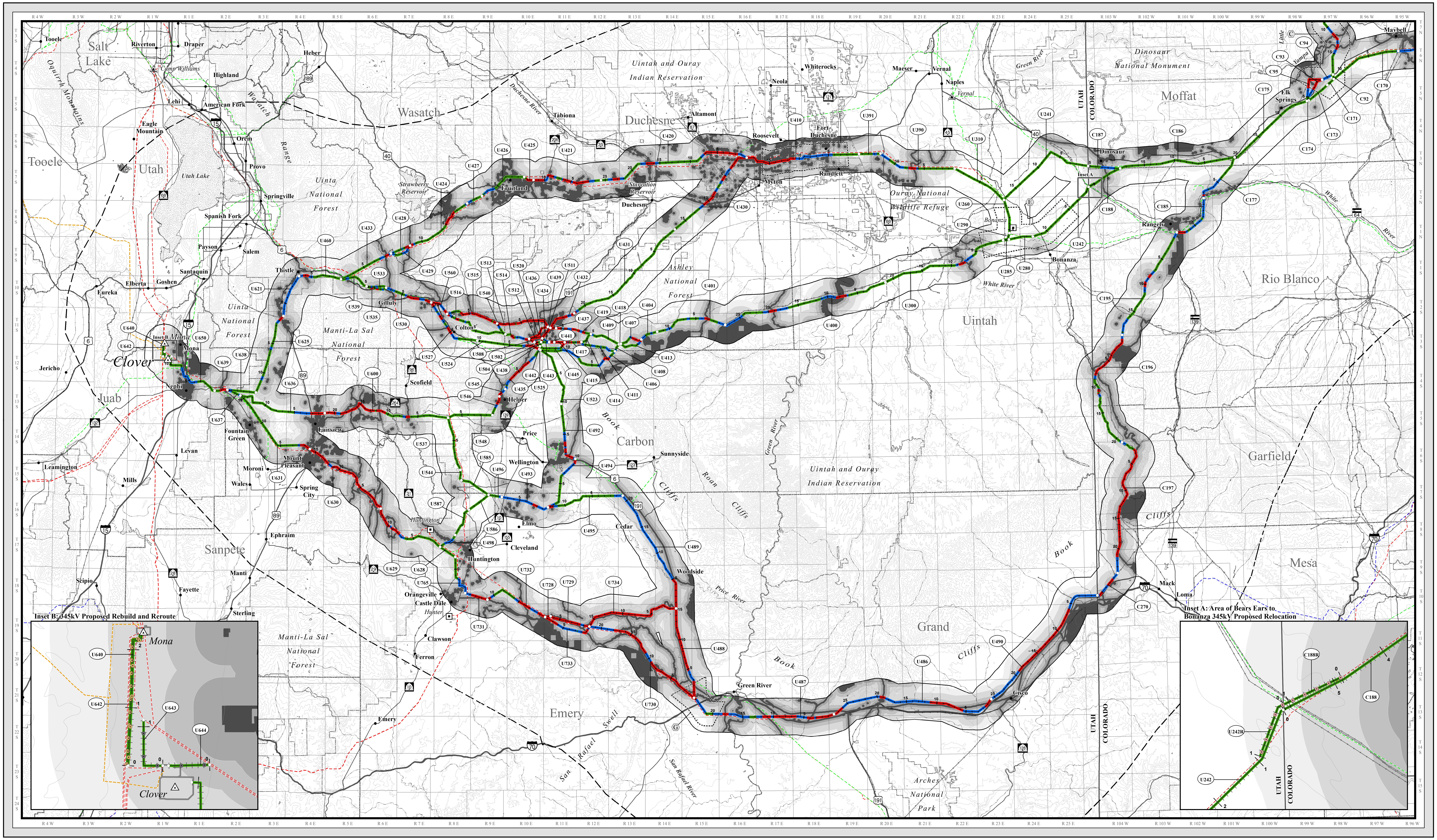
Notes:

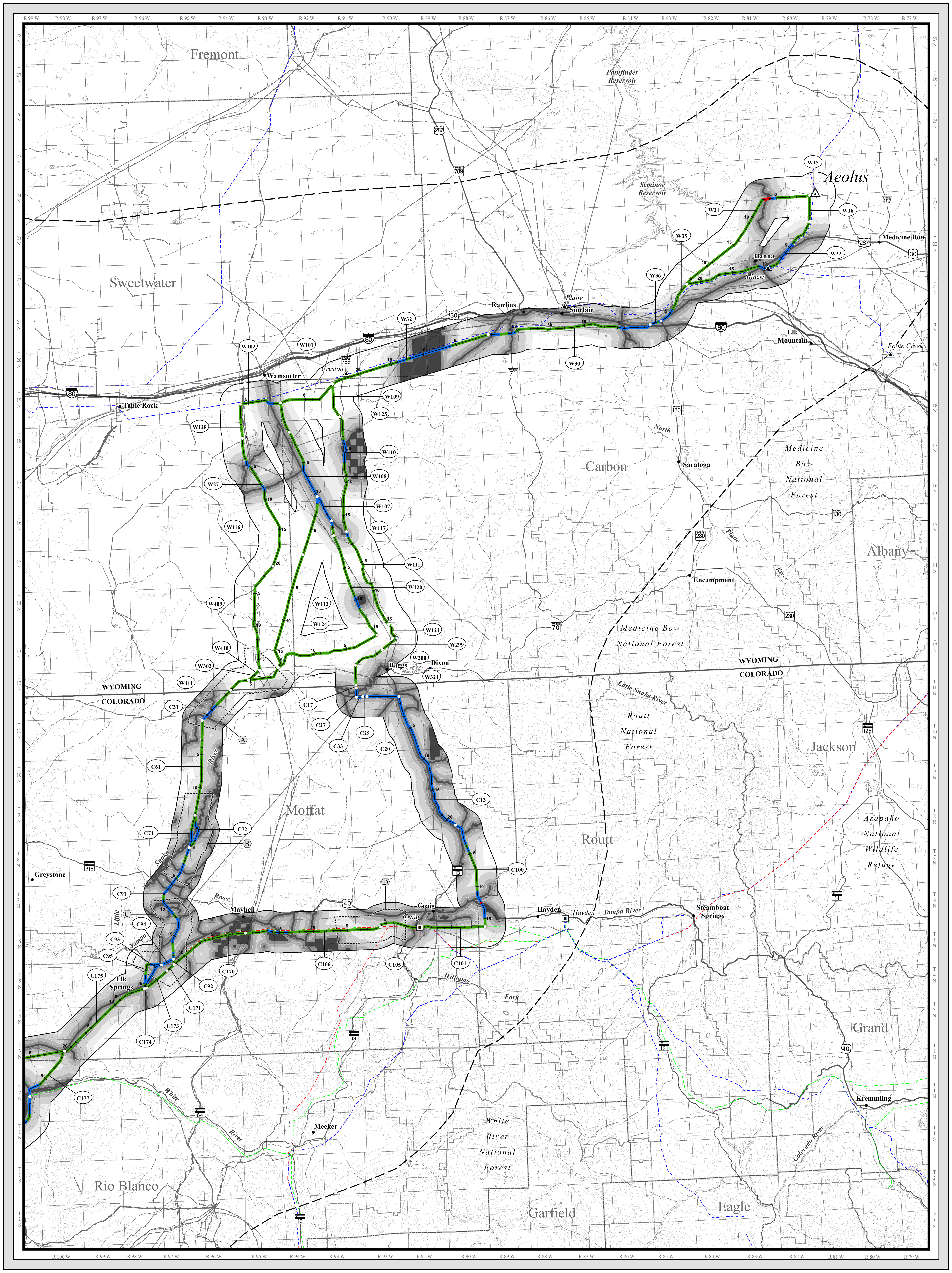
[1] High concern viewers and influence zones are only shown within the 6-mile-wide visual resources study corridor.

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



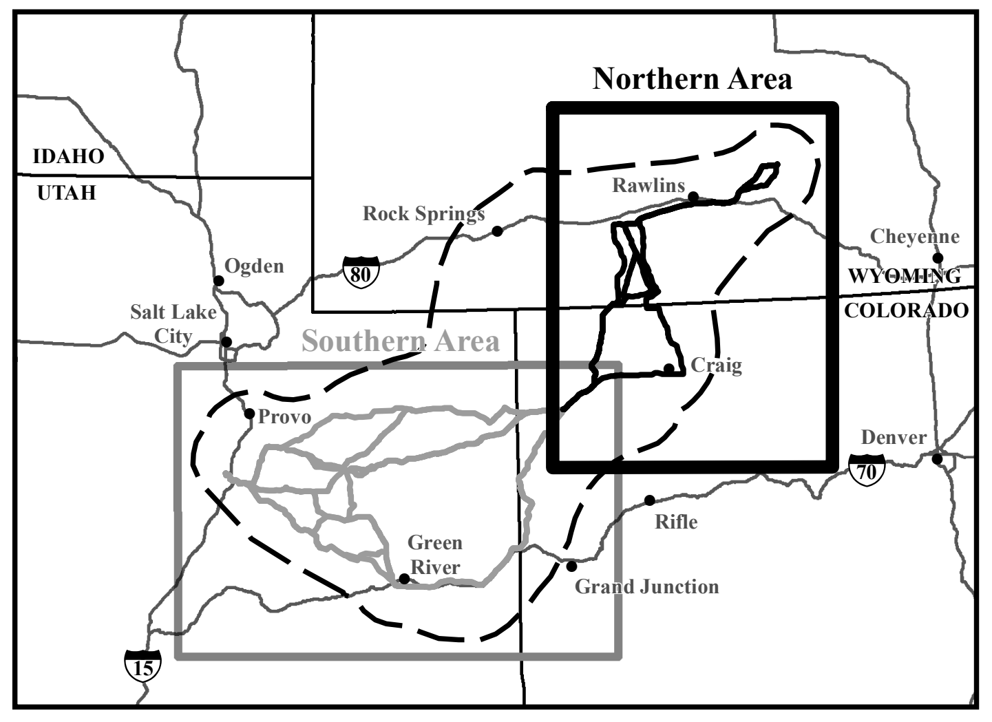


MV-22a

Moderate Concern Viewers

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

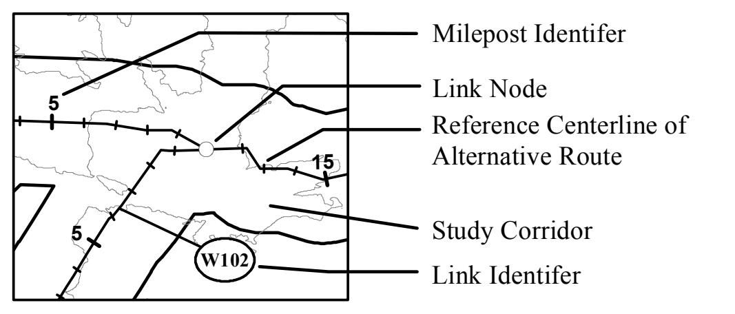
MODERATE CONCERN VIEWERS[1]

- ▪ Moderate Concern Level Viewer

INFLUENCE ZONES[1]

▨	0 to 0.5 mile
▨	0.5 to 1.0 mile
▨	1.0 to 2.0 miles
▨	2.0 to 3.0 miles
☐	Over 3.0 miles

Inventory Key



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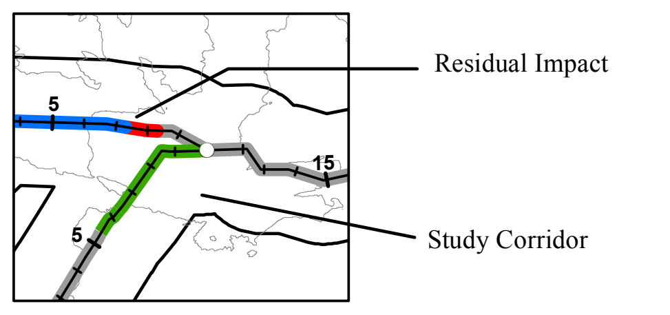

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)		
⬚-Ⓐ	Series Compensation Station Siting Area	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
┼┼┼	Alternative Route	●—●	345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—··—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012;
Special Recreation Management Areas, BLM 2003, 2007, 2008, 2011;
National or State Wildlife Management Areas, BLM 2005, 2010, FWS 2007, CPW 2010, UDWR 2006, 2013, WGFD 2006; National Conservation Areas, BLM 2011;
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Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Moderate concern viewers and influence zones are only shown within the 6-mile-wide visual resources study corridor.
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- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

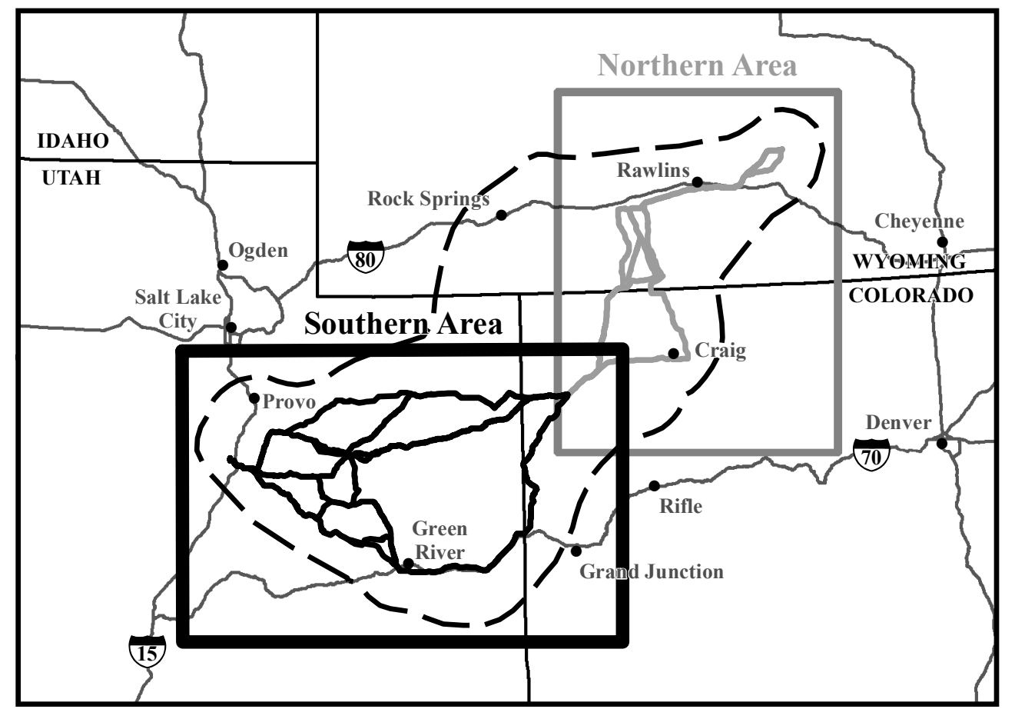
Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

MV-22b

Moderate Concern Viewers

ENERGY GATEWAY SOUTH
TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index



Resource Inventory

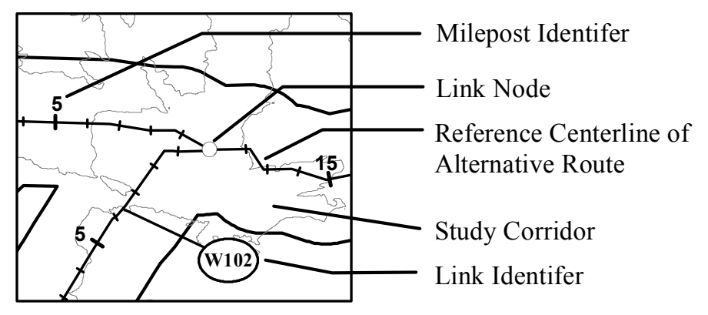
MODERATE CONCERN VIEWERS[1]

- ● ⟆ ■ Moderate Concern Level Viewer

INFLUENCE ZONES[1]

- ▨ 0 to 0.5 mile
- ▨ 0.5 to 1.0 mile
- ▨ 1.0 to 2.0 miles
- ▨ 2.0 to 3.0 miles
- ☐ Over 3.0 miles

Inventory Key



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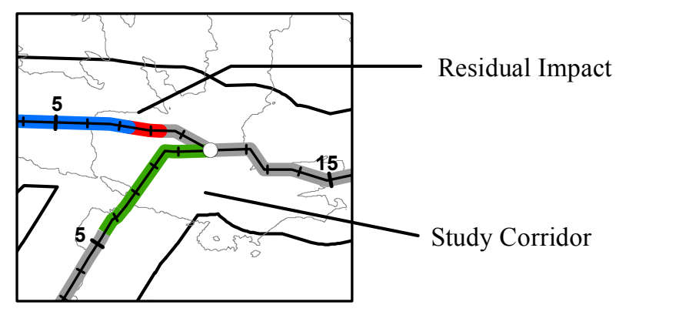

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬡	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·-·—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	☐	County Boundary
┼┼┼	Railroad	☐	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2006, 2008, 2010, 2011, 2012;
Special Recreation Management Areas, BLM 2003, 2007, 2008, 2011;
National or State Wildlife Management Areas, BLM 2005, 2010, FWS 2007, CPW 2010, UDWR 2006, 2013,
WGFD 2006; National Conservation Areas, BLM 2011;
Visually Sensitive Travel Routes as digitized by EPG, NAIP 2011, ESRI 2008;
Visually Sensitive Waterways and Water Bodies, USGS 2011;
Recreation Trails, BLM 2007, 2010, 2011, 2012, 2013, 2014, USFS 2010, 2012, 2013, 2014, Carbon County 2005, 2011,
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
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POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Moderate concern viewers and influence zones are only shown within the 6-mile-wide visual resources study corridor.

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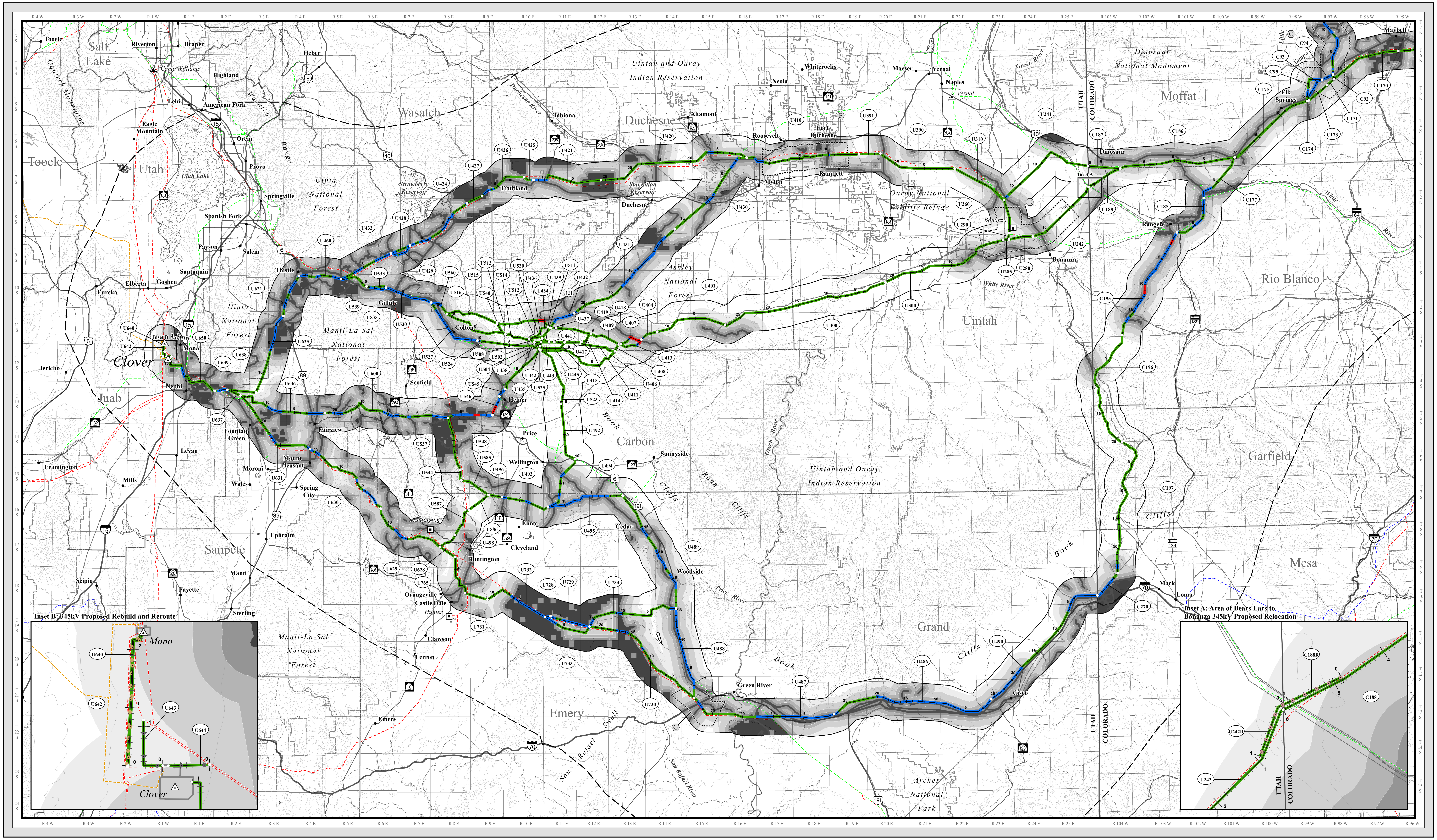
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

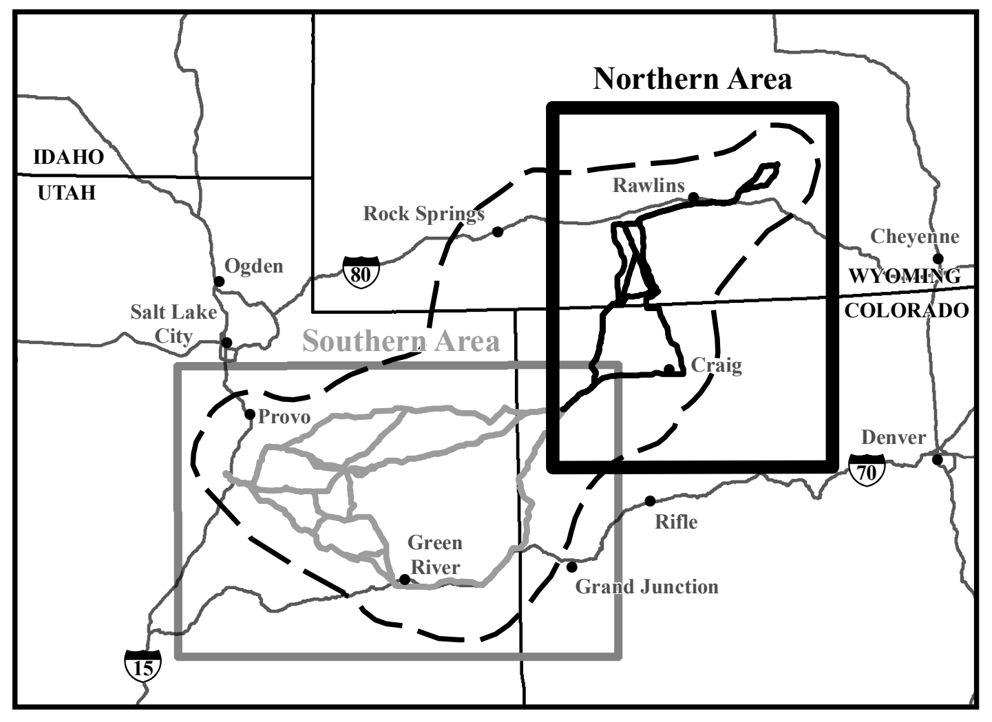


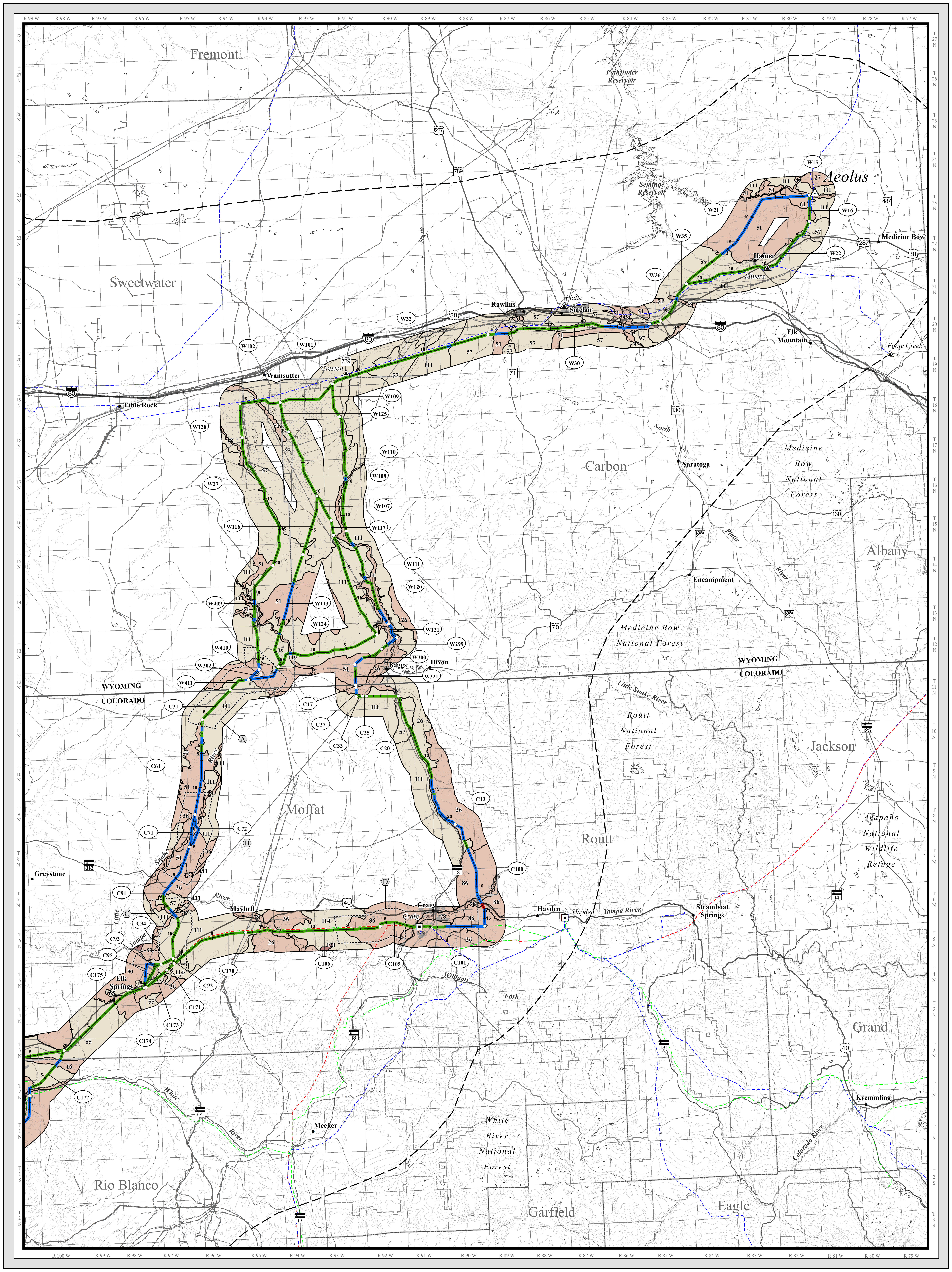
MV-23a

Scenery

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index





Resource Inventory

PROJECT-LEVEL SCENERY RATING UNITS[1]

▨ Class A[2]

28 - Green River (UB)
29 - Green River (CL)
45 - Nine Mile Canyon
46 - North Desolation Canyon
73 - White River
89 - Argyle Canyon
123 - Strawberry River
125 - Wasatch Mountains
127 - Wasatch Plateau Alpine
128 - Wasatch Plateau Park
131 - Yampa River Canyons

▨ Class B[2]

1 - Arid Juniper Hills
4 - Badlands
5 - Book Cliffs
6 - Agricultural Valley (CL)
7 - Canyons
8 - Desert Riparian
15 - Chaparral Hills (MRM)
16 - Coal Ridge
18 - Delaney Rim
20 - Duchesne River
22 - Eastern Wasatch Foothills
25 - Foothills (GB)
26 - Foothills (WB)
27 - Freezeout Ridges
34 - Juniper Hills (MRM)
35 - Juniper Hills (GB)
36 - Juniper Hills (WB)
39 - Little Snake River
40 - Medicine Bow River
42 - Mixed Woodland-Shrubland Hills (HPU)
44 - Muddy Creek
47 - Pass Creek
49 - North Platte River
51 - Ridges
52 - Roan Cliffs
60 - Tavaputs Plateau
61 - The Breaks
66 - Uinta River
70 - Wasatch Plateau Foothills
75 - Willow Creek
78 - Yampa River
81 - Mixed Woodland-Shrubland Hills (MRM)
83 - Agricultural Green River (CL)
84 - Agricultural Green River (UB)
86 - Agricultural Sagebrush Hills
87 - Agricultural Valley (UB)
88 - Agricultural White River
90 - Arid Juniper Hills (UB)
91 - Bad Land Cliffs
92 - Chaparral Hills (GB)
93 - Cross Mountain
94 - Deep Creek Canyon
98 - Escarpment
101 - Juniper Hills (HPU)
104 - Mona Reservoir
105 - Mountains (MRM)
107 - Price Canyon
108 - Rabbit Gulch
109 - Raven Ridge
116 - Salt Creek Canyon
117 - San Pitch Mountains
118 - San Rafael Reef
119 - Sand Creek
120 - Spanish Fork Canyon
121 - Starvation Reservoir
122 - Strawberry Reservoir
126 - Wasatch Plateau
130 - Willow Creek Canyon
132 - Godiva Rim

▨ Class C[2]

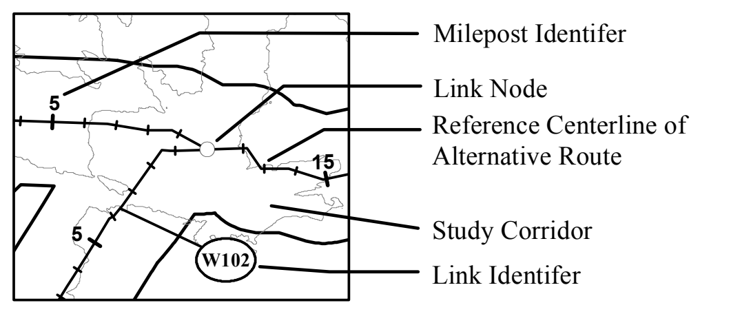
10 - Pinyon-Juniper Dissected Hills
12 - Shrubland Dissected Hills
13 - Desert Flats
53 - Sagebrush Basin
54 - Sagebrush Hills (GB)
55 - Sagebrush Valley (UB)
56 - Valley
57 - Plains
82 - Sagebrush Hills (MRM)
96 - Dissected Hills
97 - Dissected Valley
103 - Mixed Desert Shrub Valley
106 - Pinyon-Juniper Plateau
111 - Rolling Steppe
112 - Sagebrush Hills (HPU)
114 - Sagebrush Hills (WB)
115 - Sagebrush Valley (HPU)

▨ Developed

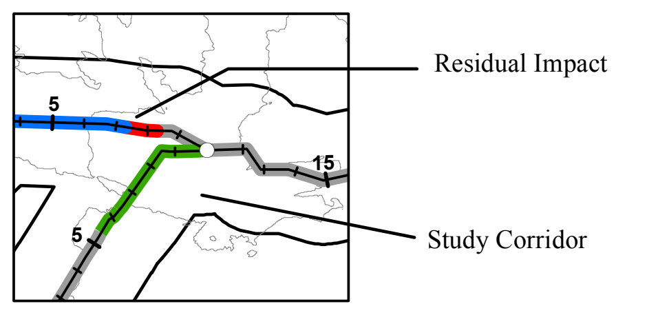
SPECIAL DESIGNATIONS[1]

☐ Area of Critical Environmental Concern (ACEC) managed for scenery resources

Inventory Key



Impact Key



Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▬	No Identifiable

Project Features

⌜⌟	Project Area Boundary	●—●	345kV Proposed Relocation (Insert A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

•	City or Town	⛉	Interstate Highway
▲	Substation	⛉	U.S. Highway
▣	Power Plant	▭	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·—·	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Project-level Scenery Rating Units as digitized by EPG, NAIP 2012;
Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2010, 2011, 2012;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Project-level scenery rating units, ACECs, and areas of development are only shown within the 6-mile-wide visual resources study corridor.

[2] The following acronyms correspond to physiographic provinces and sections as described in Physiography of Western United States (Fenneman 1931):
CL = Canyon Lands physiographic section
GB = Great Basin physiographic section
HPU = High Plateaus of Utah physiographic section
MRM = Middle Rocky Mountain physiographic province
UB = Uinta Basin physiographic section
WB = Wyoming Basin physiographic province

- The alternative routes and series compensation station siting areas shown on this map are draft and may be revised and/or refined throughout the development of the Project.
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

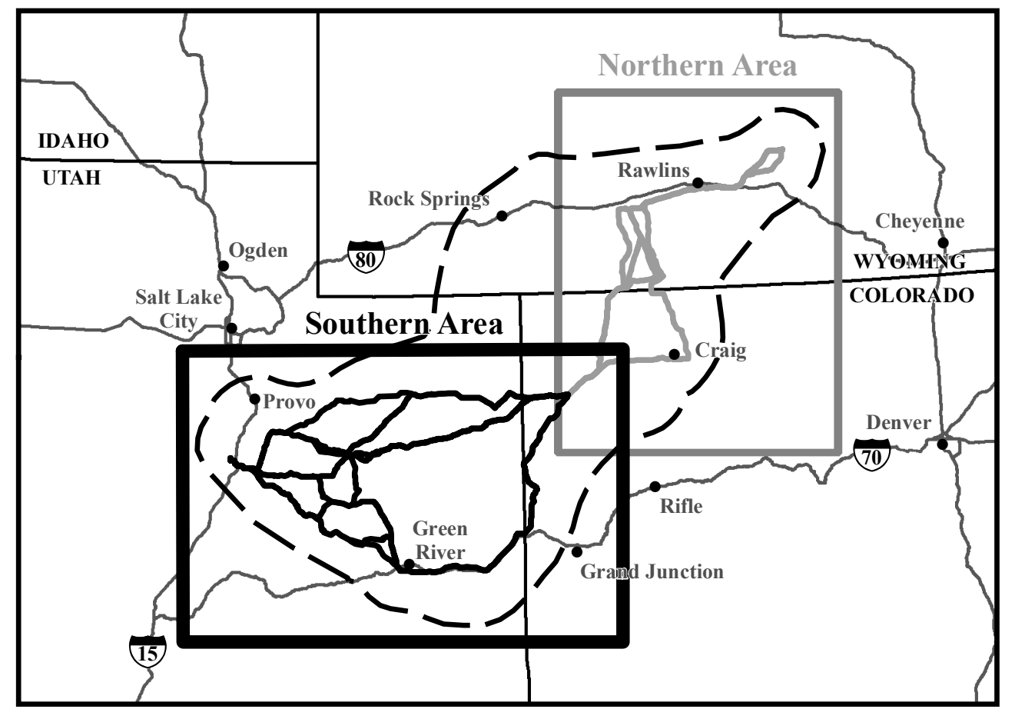
MV-23b

Scenery

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

PROJECT-LEVEL SCENERY RATING UNITS[1]

▨ Class A[2]

- 28 - Green River (UB)
- 29 - Green River (CL)
- 45 - Nine Mile Canyon
- 46 - North Desolation Canyon
- 73 - White River
- 89 - Argyle Canyon
- 123 - Strawberry River
- 125 - Wasatch Mountains
- 127 - Wasatch Plateu Alpine
- 128 - Wasatch Plateu Park
- 131 - Yampa River Canyons

▨ Class B[2]

- 1 - Arid Juniper Hills
- 4 - Badlands
- 5 - Book Cliffs
- 6 - Agricultural Valley (CL)
- 7 - Canyons
- 8 - Desert Riparian
- 15 - Chaparral Hills (MRM)
- 16 - Coal Ridge
- 18 - Delaney Rim
- 20 - Duchesne River
- 22 - Eastern Wasatch Foothills
- 25 - Foothills (GB)
- 26 - Foothills (WB)
- 27 - Freezeout Ridges
- 34 - Juniper Hills (MRM)
- 35 - Juniper Hills (GB)
- 36 - Juniper Hills (WB)
- 39 - Little Snake River
- 40 - Medicine Bow River
- 42 - Mixed Woodland-Shrubland Hills (HPU)
- 44 - Muddy Creek
- 47 - Pass Creek
- 49 - North Platte River
- 51 - Ridges
- 52 - Roan Cliffs
- 60 - Tavaputs Plateau
- 61 - The Breaks
- 66 - Uinta River
- 70 - Wasatch Plateau Foothills
- 75 - Willow Creek
- 78 - Yampa River
- 81 - Mixed Woodland-Shrubland Hills (MRM)
- 83 - Agricultural Green River (CL)
- 84 - Agricultural Green River (UB)
- 86 - Agricultural Sagebrush Hills
- 87 - Agricultural Valley (UB)
- 88 - Agricultural White River
- 90 - Arid Juniper Hills (UB)
- 91 - Bad Land Cliffs
- 92 - Chaparral Hills (GB)
- 93 - Cross Mountain
- 94 - Deep Creek Canyon
- 98 - Escarpment
- 101 - Juniper Hills (HPU)
- 104 - Mona Reservoir
- 105 - Mountains (MRM)
- 107 - Price Canyon
- 108 - Rabbit Gulch
- 109 - Raven Ridge
- 116 - Salt Creek Canyon
- 117 - San Pitch Mountains
- 118 - San Rafael Reef
- 119 - Sand Creek
- 120 - Spanish Fork Canyon
- 121 - Starvation Reservoir
- 122 - Strawberry Reservoir
- 126 - Wasatch Plateau
- 130 - Willow Creek Canyon
- 132 - Godiva Rim

▨ Class C[2]

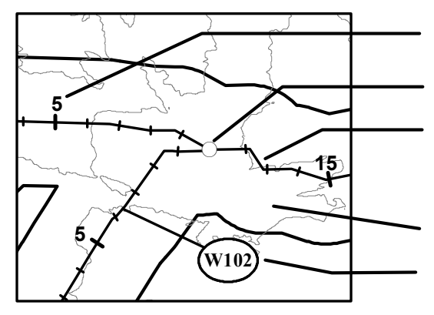
- 10 - Pinyon-Juniper Dissected Hills
- 12 - Shrubland Dissected Hills
- 13 - Desert Flats
- 53 - Sagebrush Basin
- 54 - Sagebrush Hills (GB)
- 55 - Sagebrush Valley (UB)
- 56 - Valley
- 57 - Plains
- 82 - Sagebrush Hills (MRM)
- 96 - Dissected Hills
- 97 - Dissected Valley
- 103 - Mixed Desert Shrub Valley
- 106 - Pinyon-Juniper Plateau
- 111 - Rolling Steppe
- 112 - Sagebrush Hills (HPU)
- 114 - Sagebrush Hills (WB)
- 115 - Sagebrush Valley (HPU)

▨ Developed

SPECIAL DESIGNATIONS[1]

☐ Area of Critical Environmental Concern (ACEC) managed for scenery resources

Inventory Key



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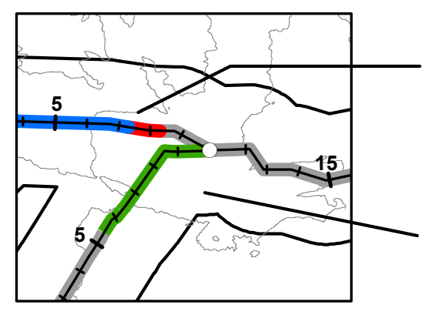

Impact Levels

- 🟥 High
- 🟦 Moderate
- 🟩 Low
- ▬ No Identifiable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- 70 Interstate Highway
- 40 U.S. Highway
- 24 State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Project-level Scenery Rating Units as digitized by EPG, NAIP 2012;
Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Areas of Critical Environmental Concern, BLM 2010, 2011, 2012;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Project-level scenery rating units, ACECs, and areas of development are only shown within the 6-mile-wide visual resources study corridor.

[2] The following acronyms correspond to physiographic provinces and sections as described in Physiography of Western United States (Fenneman 1931):
CL = Canyon Lands physiographic section
GB = Great Basin physiographic section
HPU = High Plateaus of Utah physiographic section
MRM = Middle Rocky Mountain physiographic province
UB = Uinta Basin physiographic section
WB = Wyoming Basin physiographic province

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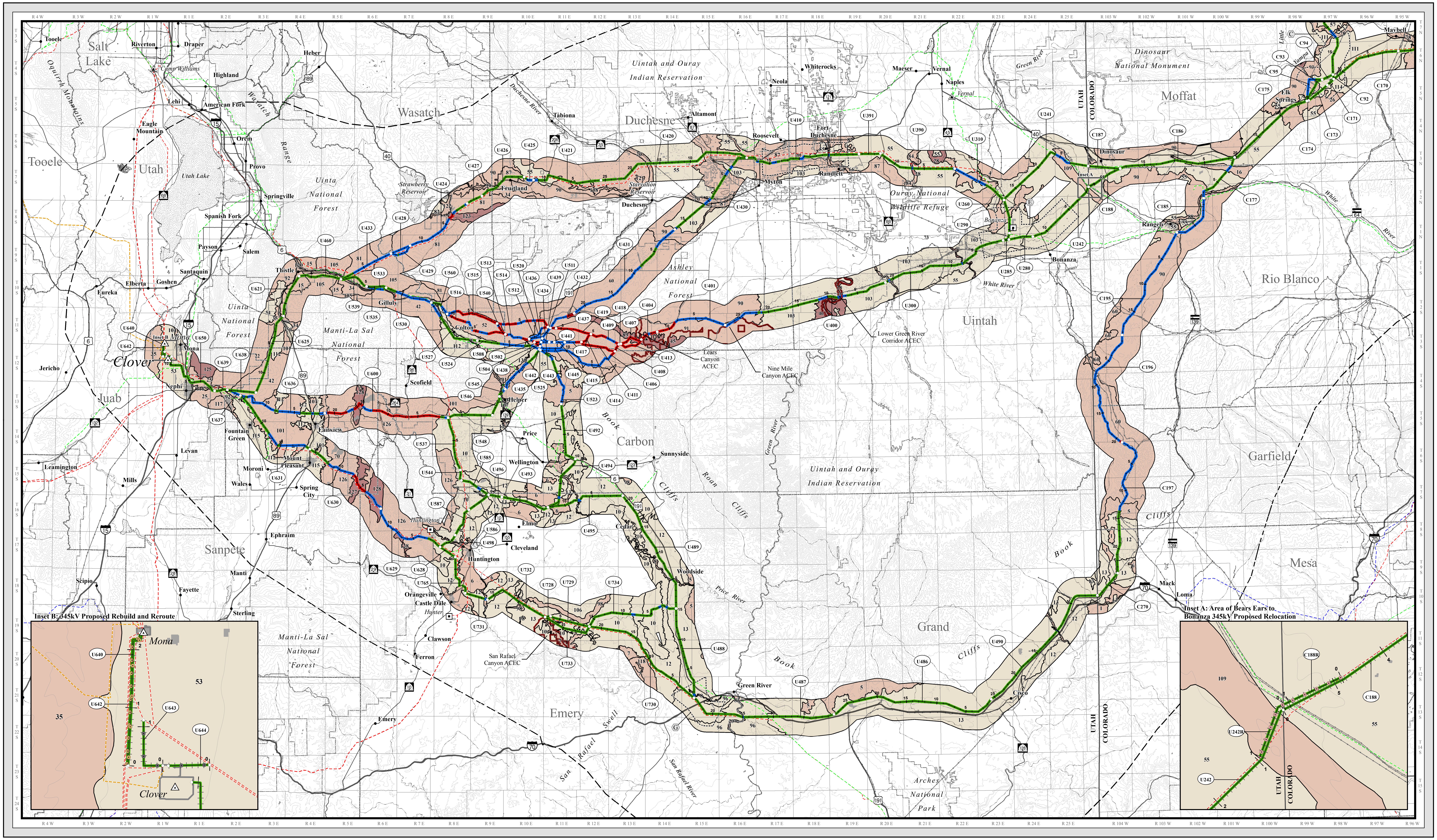
- Substation symbols do not necessarily represent precise locations.
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

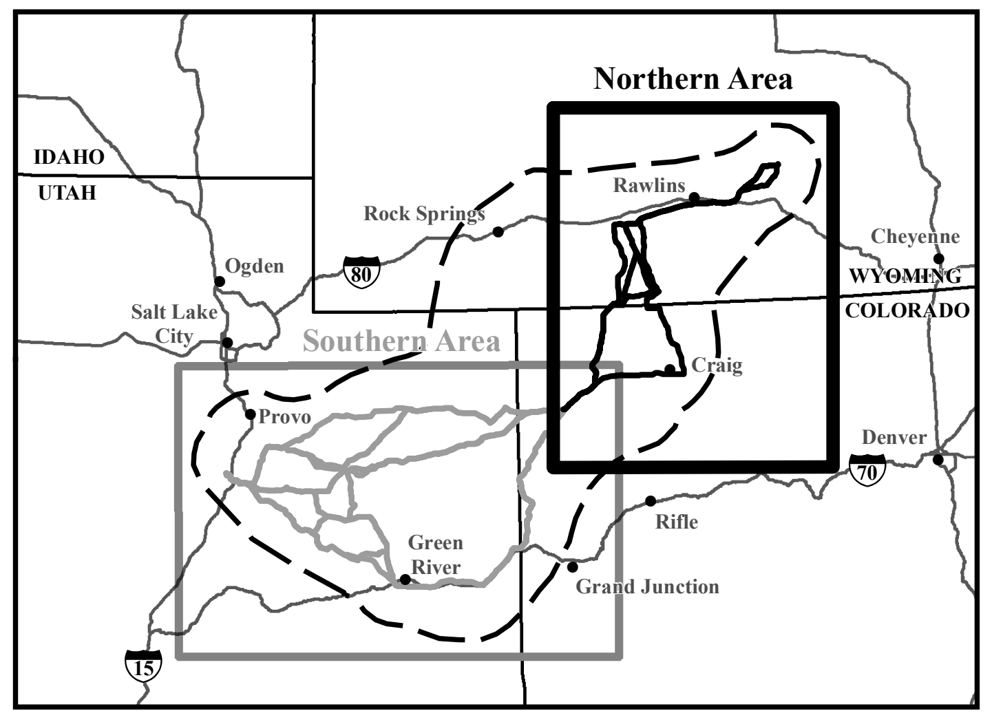


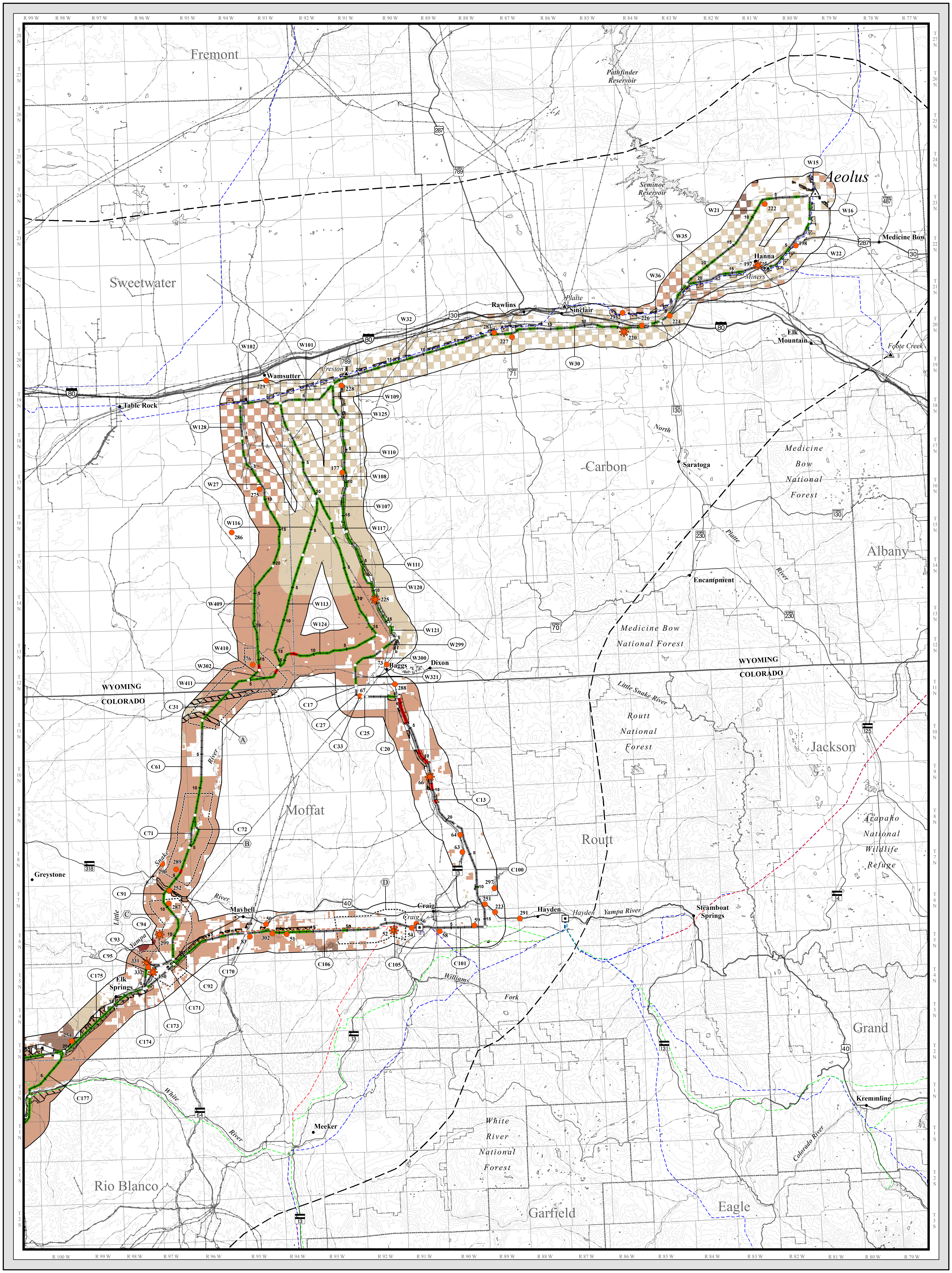
MV-24a

Federal Agency Visual Management Objectives

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index





Resource Inventory

KEY OBSERVATION POINT (KOP) AND SIMULATION LOCATIONS[1]

# ✳	KOP/Simulation Location	# ●	KOP Location

VISUAL MANAGEMENT OBJECTIVES[2]

BLM Visual Resource Management (VRM) Classes

🟥	Class I	🟧	Class III
🟫	Class II	🟨	Class IV

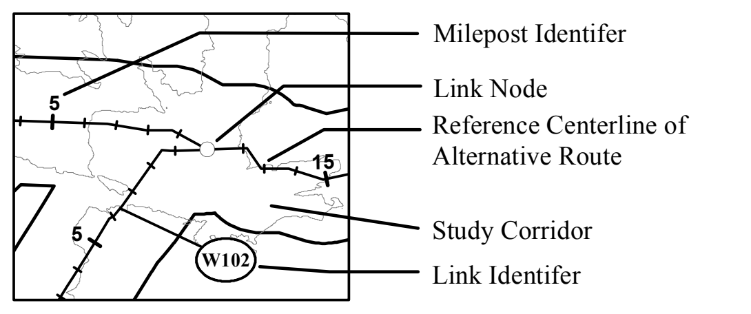
U.S. Forest Service Visual Quality Objectives (VQO)

🟩	Preservation	🟩	Partial Retention
🟩	Retention	🟩	Modification

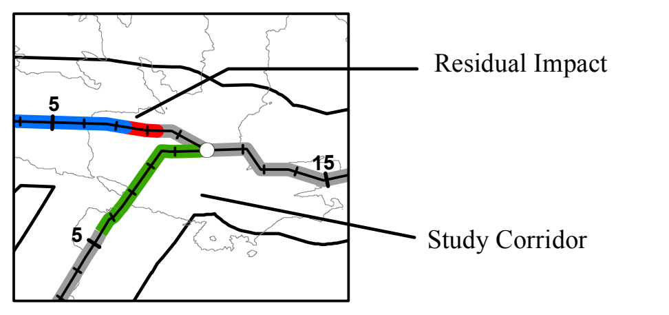
FEDERAL SURFACE UTILITY CORRIDORS[2]

▦	West-wide Energy Corridor	▨	Designated Utility Corridor[3]

Inventory Key



Impact Key



Impact Levels

🟩	Compliant/Consistent	▬	Not Applicable
🟥	Not Compliant/Not Consistent		

Project Features

⌜⌟	Project Area Boundary	○	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	○	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
Ⓐ	Series Compensation Station Siting Area	○	345kV Proposed Reroute (Segment 4c - Inset B)
┼	Alternative Route		

General Reference

●	City or Town	80	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
---	500kV Transmission Line	▒	Lake or Reservoir
---	345kV Transmission Line	-·-	River or Stream
---	230kV Transmission Line	▭	State Boundary
---	138kV Transmission Line	▭	County Boundary
┼	Railroad	▭	Jurisdictional Boundary
●─●	Pipeline		

Sources:

Key Observation Points and Simulation Locations, EPG 2012;
VRM, BLM 1987, 1990, 2008, 2011, 2013; VQO, USFS 2003, 2009, 2014;
West-wide Energy Corridors, Argonne National Laboratory 2008;
RMP Utility Corridors as digitized by EPG, BLM 1987, 1989, 1990, 1997, 2008, 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] KOP names and associated contrast rating worksheets can be found in Appendix N.

[2] BLM VRM classes, U.S. Forest Service VQO, and federal surface utility corridors are only shown within the 6-mile-wide visual resources study corridor.

[3] Designated utility corridors are from BLM resource management plans and USFS land and resource management plans.

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- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18
Miles
1:380,160 or 1 inch = 6 miles

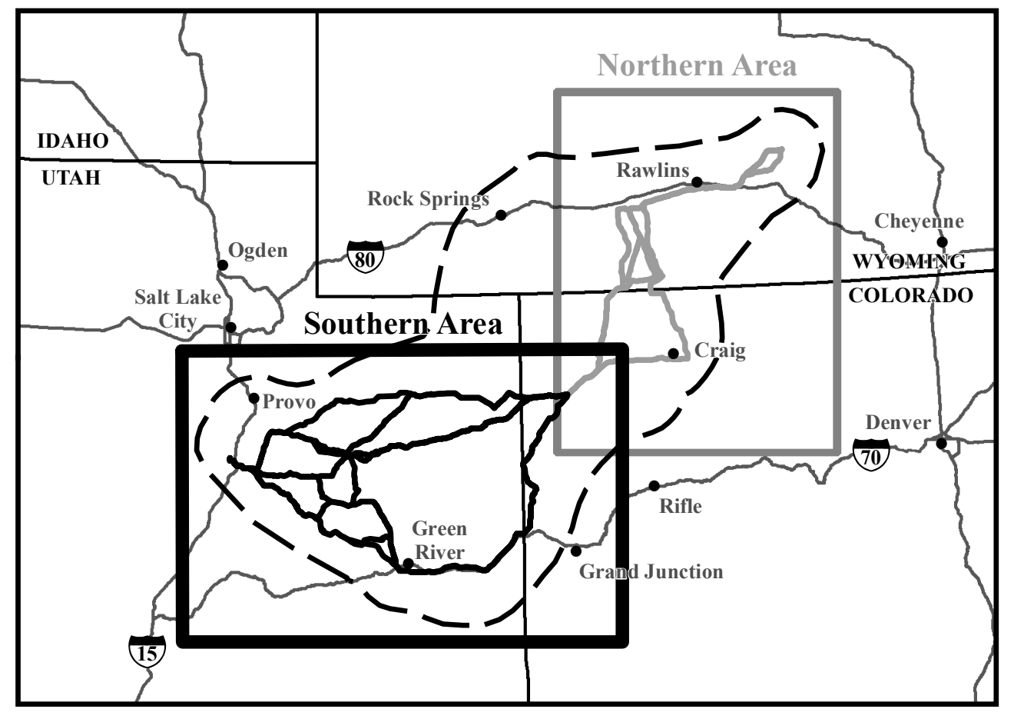
MV-24b

Federal Agency Visual Management Objectives

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

KEY OBSERVATION POINT (KOP) AND SIMULATION LOCATIONS[1]

#✱ KOP/Simulation Location

#● KOP Location

VISUAL MANAGEMENT OBJECTIVES[2]

BLM Visual Resource Management (VRM) Classes

- 🟥 Class I
- 🟫 Class II
- 🟧 Class III
- ⬜ Class IV

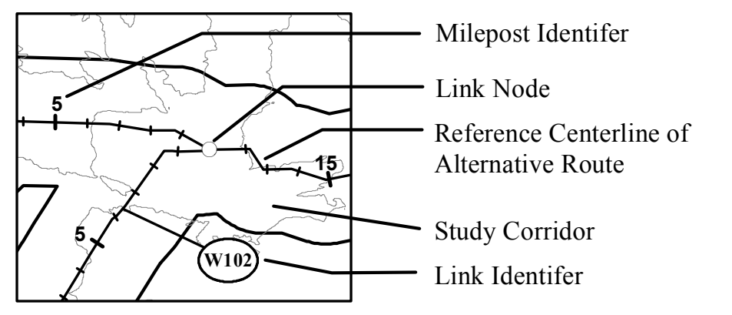
U.S. Forest Service Visual Quality Objectives (VQO)

- 🟩 Preservation
- 🟩 Retention
- 🟩 Partial Retention
- ⬜ Modification

FEDERAL SURFACE UTILITY CORRIDORS[2]

- ▦ West-wide Energy Corridor
- ▨ Designated Utility Corridor[3]

Inventory Key



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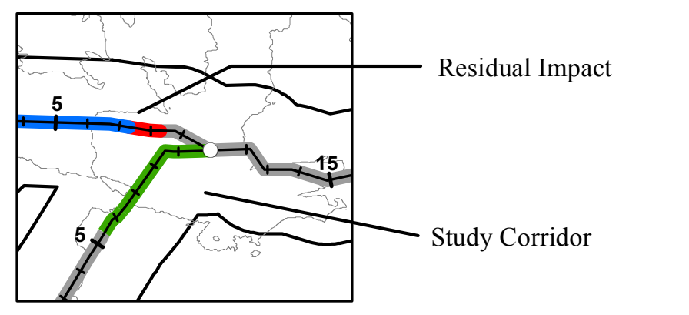

Impact Levels

- 🟩 Compliant/Consistent
- 🟥 Not Compliant/Not Consistent
- ⬜ Not Applicable

Project Features

- Project Area Boundary
- △ Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- ● City or Town
- ▲ Substation
- ▣ Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Key Observation Points and Simulation Locations, EPG 2012;
VRM, BLM 1987, 1990, 2008, 2011, 2013; VQO, USFS 2003, 2009, 2014;
West-wide Energy Corridors, Argonne National Laboratory 2008;
RMP Utility Corridors as digitized by EPG, BLM 1987, 1989, 1990, 1997, 2008, 2011;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] KOP names and associated contrast rating worksheets can be found in Appendix N.

[2] BLM VRM classes, U.S. Forest Service VQO, and federal surface utility corridors are only shown within the 6-mile-wide visual resources study corridor.

[3] Designated utility corridors are from BLM resource management plans and USFS land and resource management plans.

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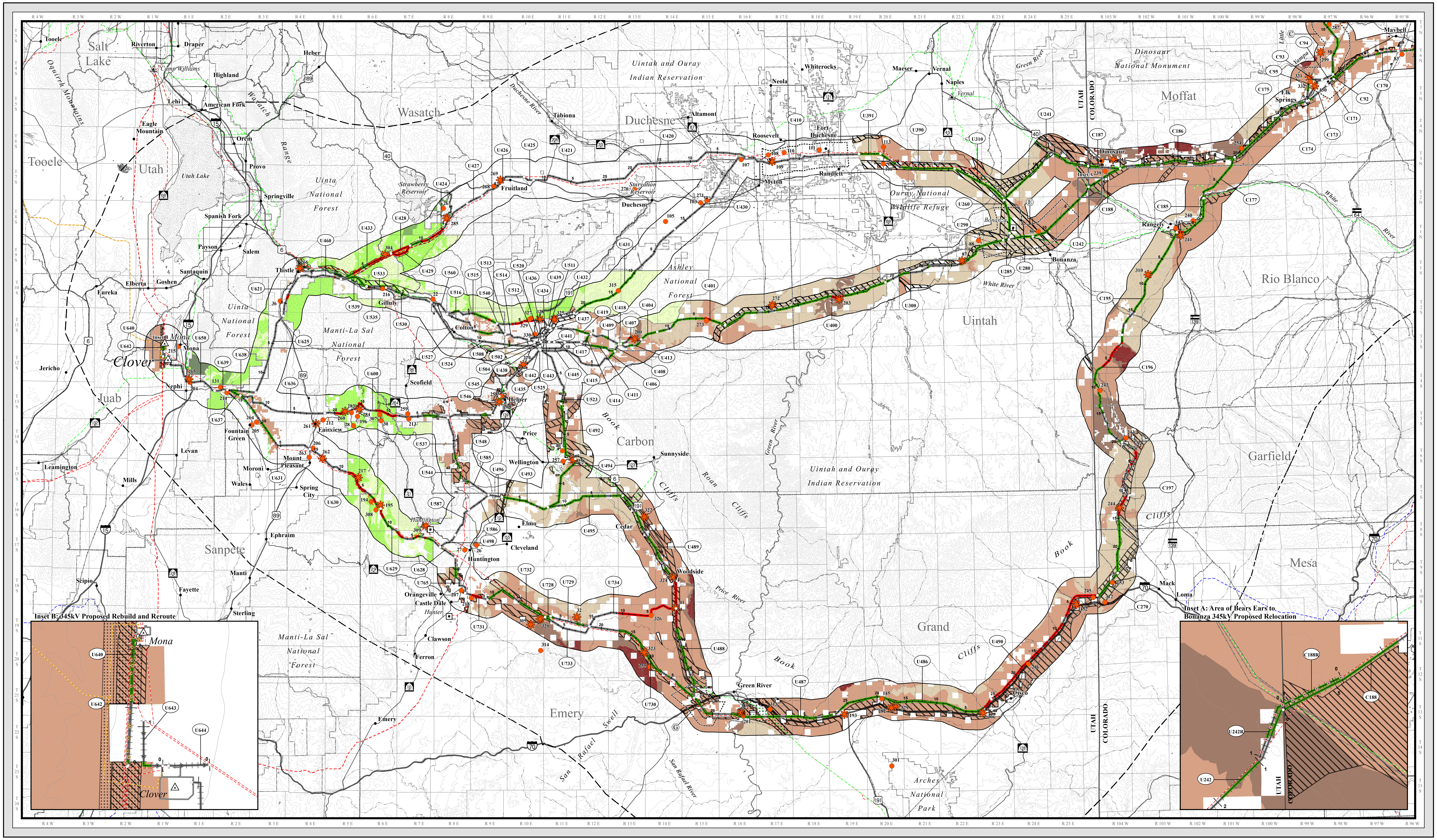
- Contour interval: 150 meters

FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

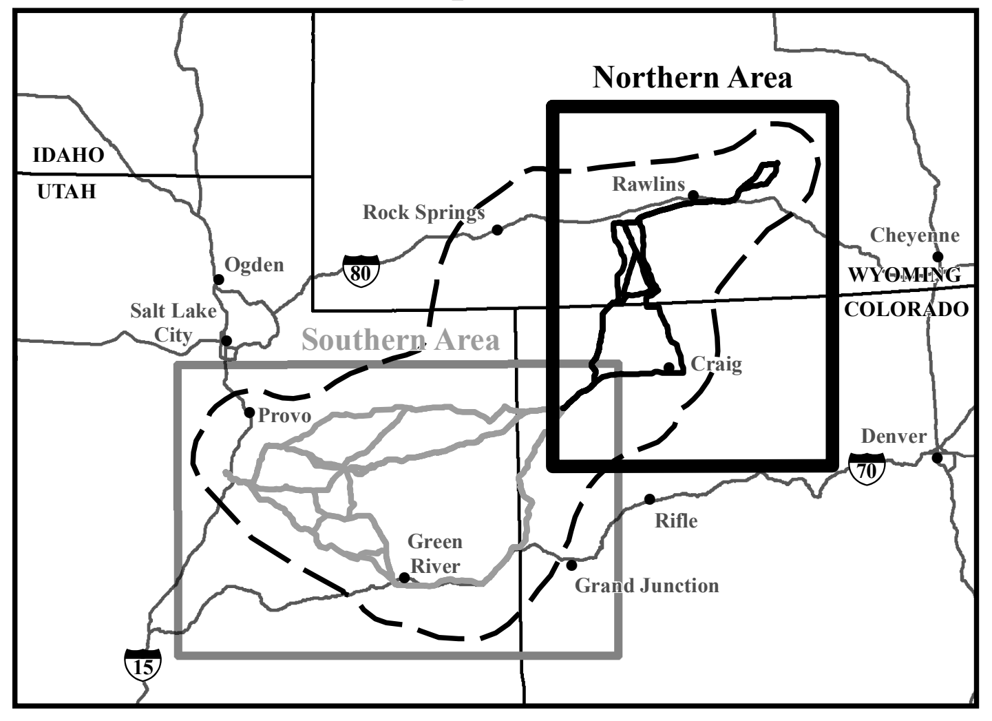


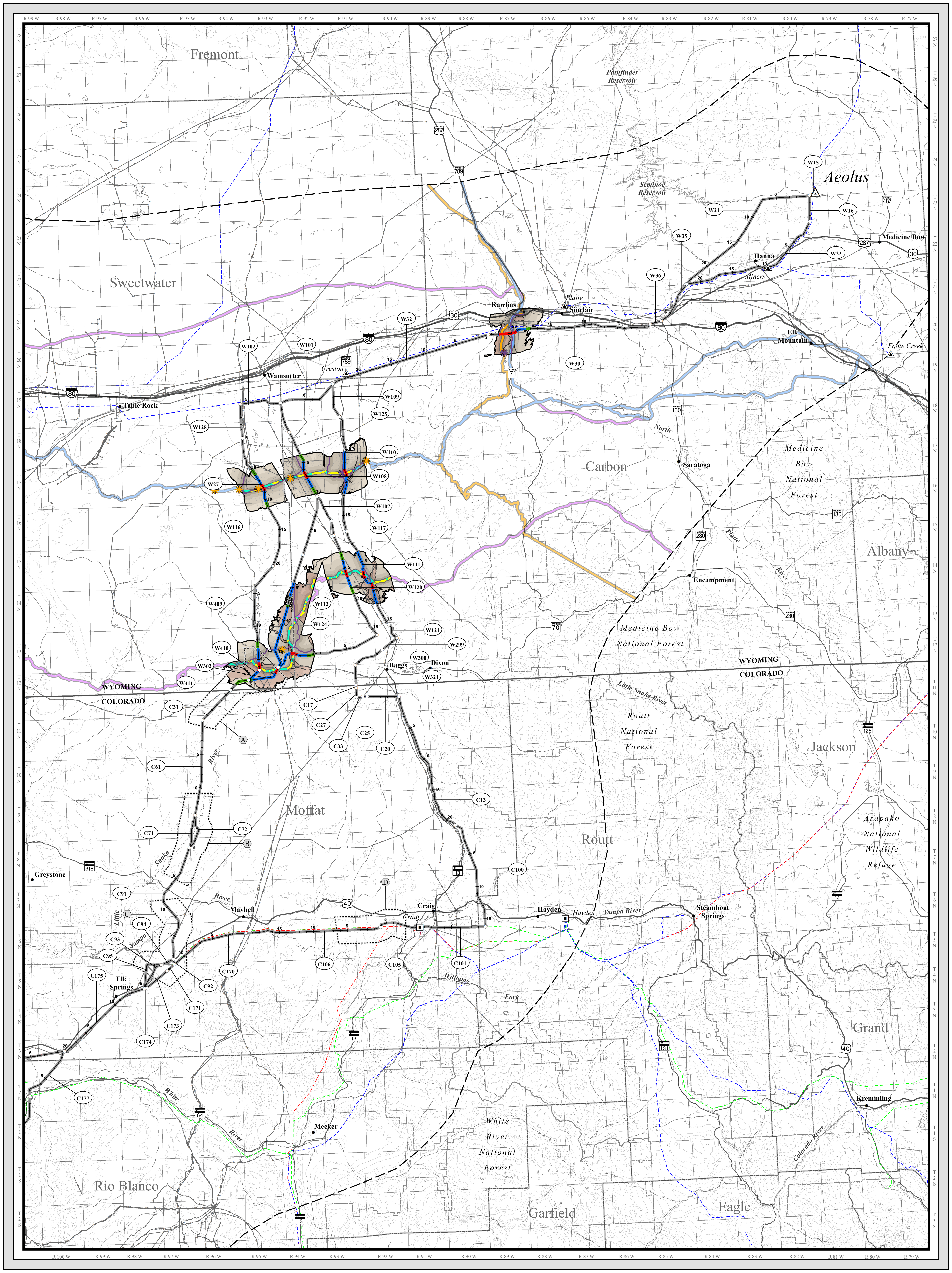
National Trails System

National Trails System

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index





Resource Inventory

CONGRESSIONALLY DESIGNATED/FEASIBILITY STUDY TRAIL ALIGNMENTS[1]

- Continental Divide National Scenic Trail
- Old Spanish National Historic Trail (NHT)
- Overland Historic Trail (under feasibility study)
- Cherokee Historic Trail (under feasibility study)

VIEWSHED FOR PROJECT-LEVEL ANALYSIS

- Visible Area

TRAIL TRACES AND TRAIL-ASSOCIATED CULTURAL SITES[2]

- NHT Condition Category II or III or Contributing Trail Trace[3]
- NHT Condition Category IV or V or Non-contributing Trail Trace[3]
- Trail-associated Cultural Site

TRAIL-ASSOCIATED VIEWING LOCATIONS[2]

- Trail-associated Viewing Location

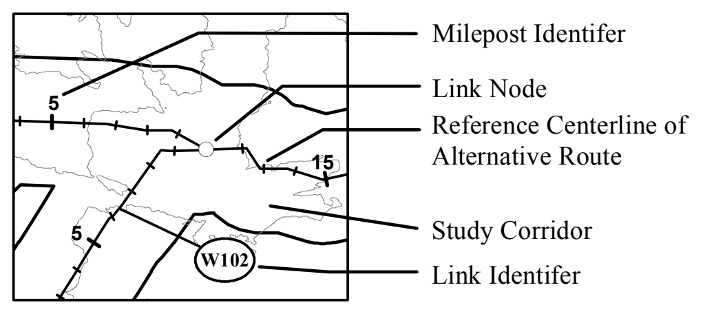
VISUAL INFLUENCE ZONES[2]

- 0 to 0.5 mile
- 0.5 to 1.0 mile
- 1.0 to 2.0 miles
- 2.0 to 3.0 miles

PROJECT-LEVEL SCENERY RATING UNITS[2]

- Class A
- Class B
- Class C
- Developed

Inventory Key



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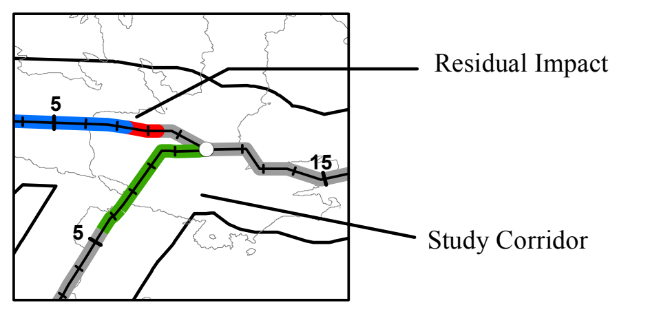

Impact Levels

- High
- Moderate
- Low
- No Identifiable

Project Features

- Project Area Boundary
- Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- City or Town
- Substation
- Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Continental Divide National Scenic Trail, BLM 2013; Old Spanish National Historic Trail, BLM 2002;
Overland Trail, NPS 2014; Cherokee Trail, NPS 2014;
Old Spanish National Historic Trail Inventoried Trail Traces, BLM 2012;
Cherokee Historic Trail and Overland Historic Trail Inventoried Trail Traces, BLM 2005;
Trail-associated Cultural Sites as digitized by EPG, USGS 2012, GNIS 1981;
Trail-associated Viewing Locations as digitized by EPG, NAIP 2011;
Project-level Scenery Rating Units as digitized by EPG, NAIP 2012;
Existing Land Use as digitized by EPG, NAIP 2011, 2012, 2013, Bing 2014;
Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
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Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

[1] Congressionally designated/feasibility study trail alignments are only shown within the Project area boundary.

[2] Trail traces, trail-associated cultural sites and viewing locations, visual influence zones, and project-level scenery rating units are only shown within the areas determined to be visible through the project-level viewshed analysis.

[3] Trail traces associated with the Old Spanish NHT were inventoried with an NHT condition category, whereas the Overland and Cherokee Historic Trails were inventoried as contributing or non-contributing.

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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

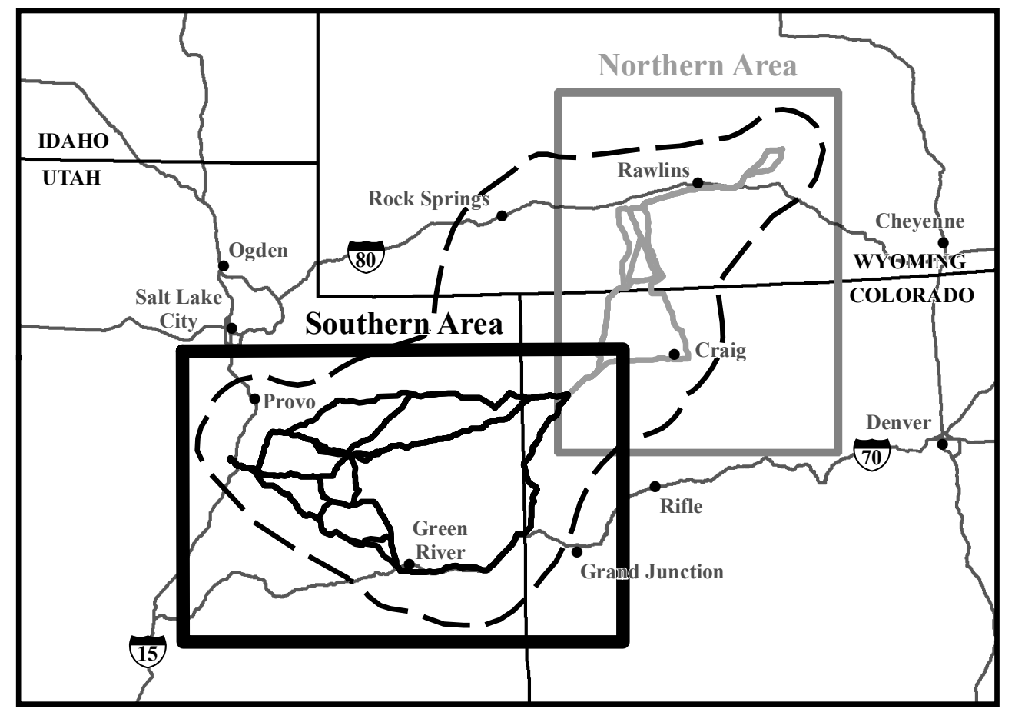
MV-25b

National Trails System

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



Resource Inventory

CONGRESSIONALLY DESIGNATED/FEASIBILITY STUDY TRAIL ALIGNMENTS[1]

∿	Continental Divide National Scenic Trail	∿	Overland Historic Trail (under feasibility study)
∿	Old Spanish National Historic Trail (NHT)	∿	Cherokee Historic Trail (under feasibility study)

VIEWSHED FOR PROJECT-LEVEL ANALYSIS

☐	Visible Area

TRAIL TRACES AND TRAIL-ASSOCIATED CULTURAL SITES[2]

∿	NHT Condition Category II or III or Contributing Trail Trace[3]	∿	NHT Condition Category IV or V or Non-contributing Trail Trace[3]
✳	Trail-associated Cultural Site		

TRAIL-ASSOCIATED VIEWING LOCATIONS[2]

✳ ∿	Trail-associated Viewing Location

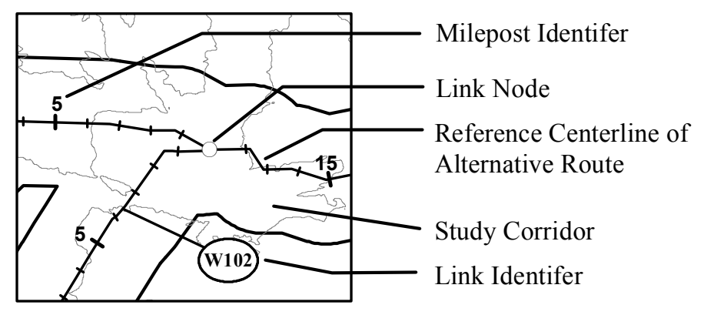
VISUAL INFLUENCE ZONES[2]

▨	0 to 0.5 mile	▨	1.0 to 2.0 miles
▨	0.5 to 1.0 mile	▨	2.0 to 3.0 miles

PROJECT-LEVEL SCENERY RATING UNITS[2]

🟥	Class A	▨	Class C
▨	Class B	▨	Developed

Inventory Key



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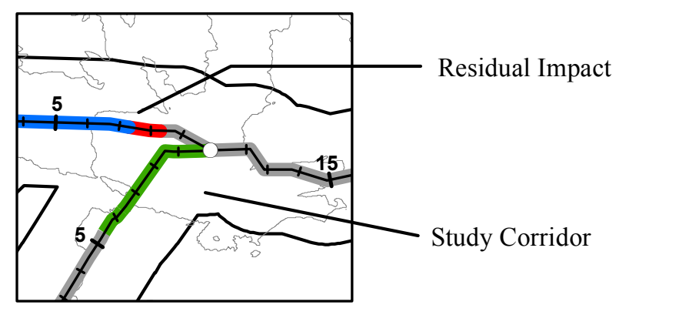

Impact Levels

🟥	High	🟩	Low
🟦	Moderate	▨	No Identifiable

Project Features

⌐ ¬	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚ A	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼┼ 5	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
◘	Power Plant	24	State Highway
- - -	500kV Transmission Line	▨	Lake or Reservoir
- - -	345kV Transmission Line	—·-·—	River or Stream
- - -	230kV Transmission Line	☐	State Boundary
- - -	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Continental Divide National Scenic Trail, BLM 2013; Old Spanish National Historic Trail, BLM 2002;
Overland Trail, NPS 2014; Cherokee Trail, NPS 2014;
Old Spanish National Historic Trail Inventoried Trail Traces, BLM 2012;
Cherokee Historic Trail and Overland Historic Trail Inventoried Trail Traces, BLM 2005;
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Trail-associated Viewing Locations as digitized by EPG, NAIP 2011;
Project-level Scenery Rating Units as digitized by EPG, NAIP 2012;
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Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999;
Series Compensation Station Siting Areas, Rocky Mountain Power 2015;
City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009;
Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013;
Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013;
Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011,
POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010;
State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

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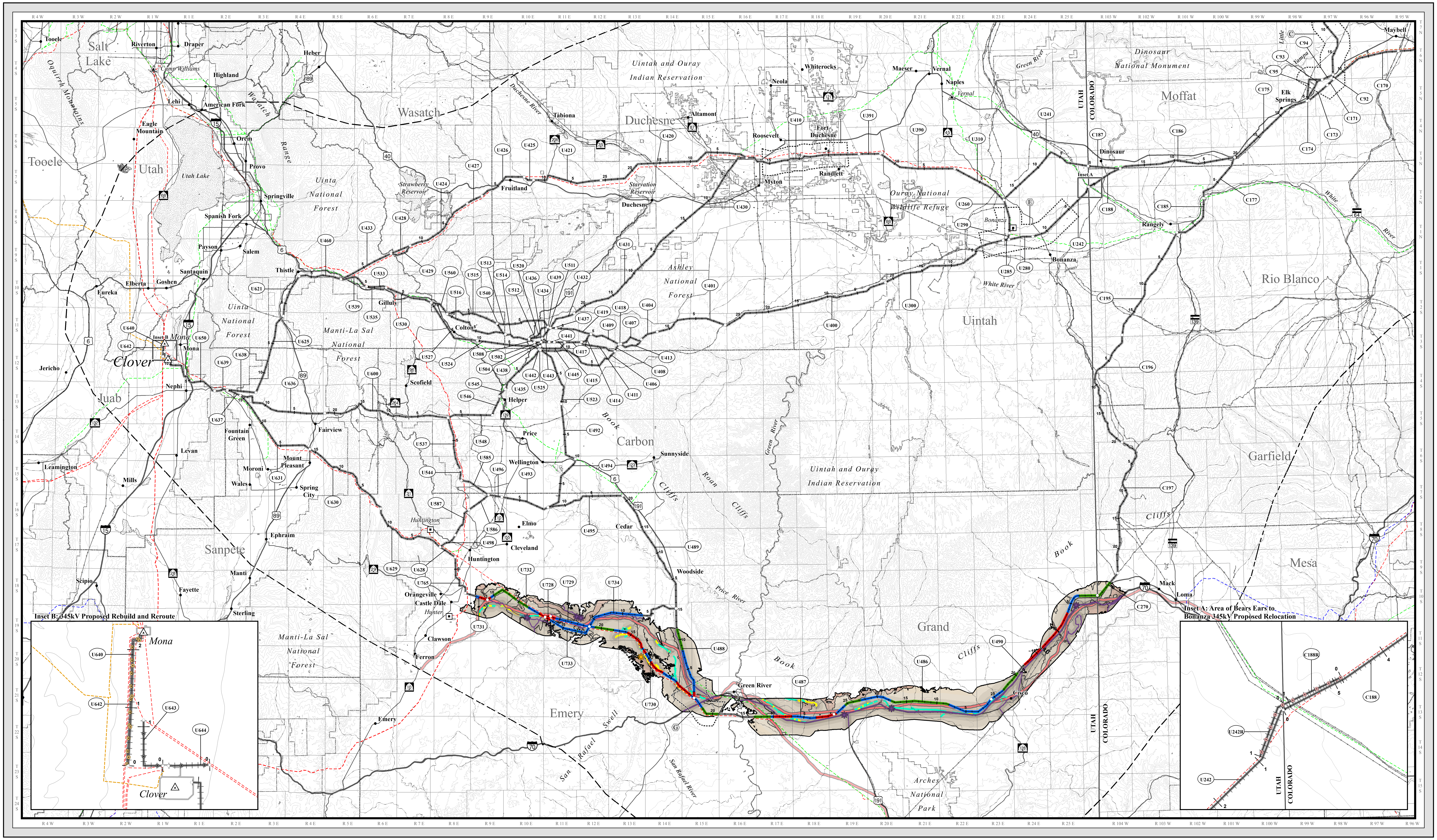
- Contour interval: 150 meters

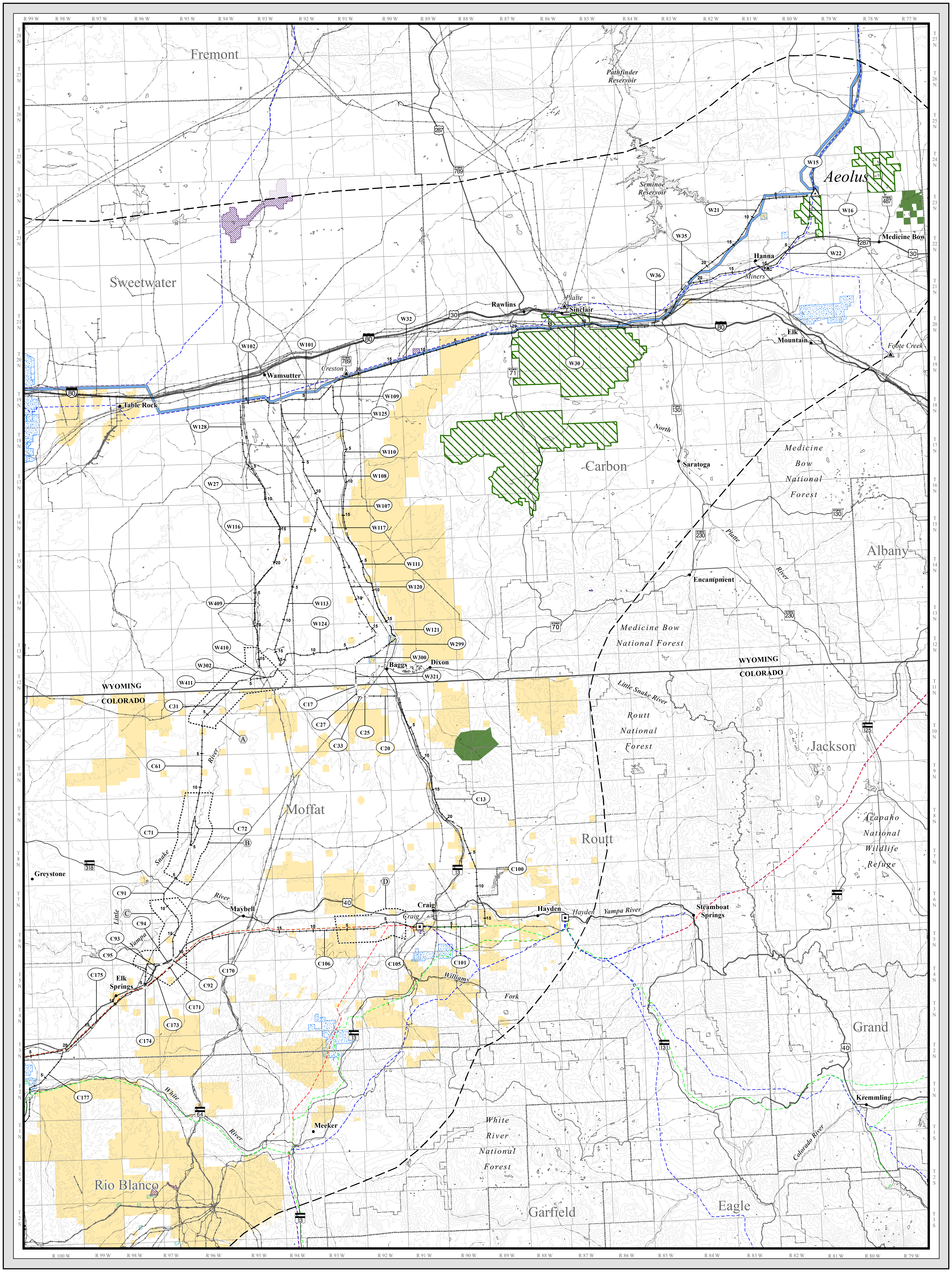
FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles



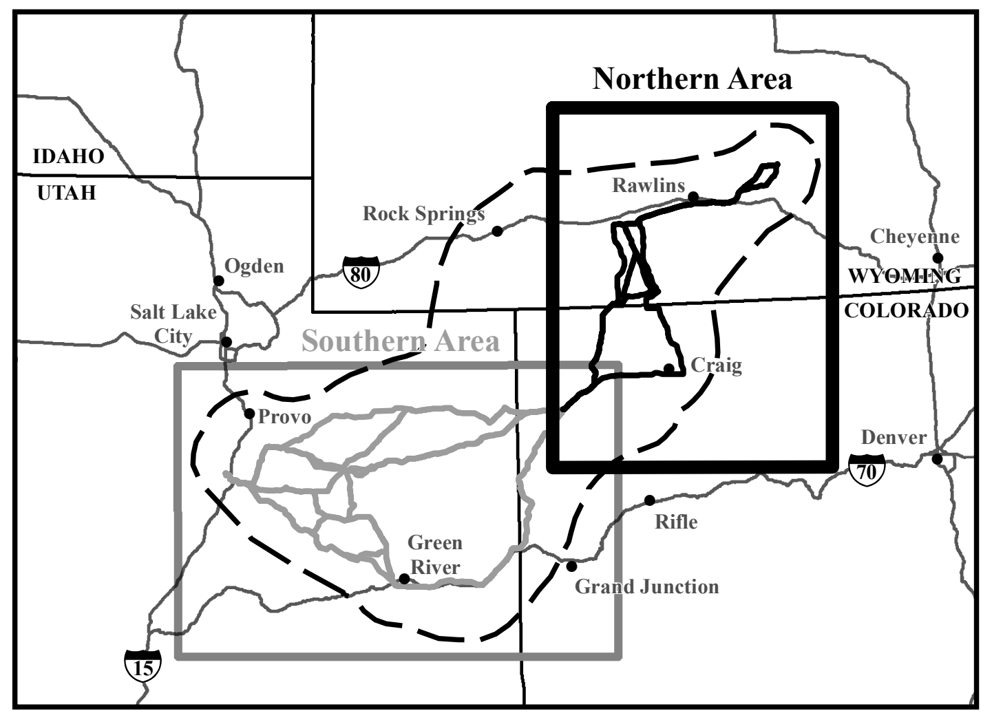
Cumulative Effects

Past and Present Actions



ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

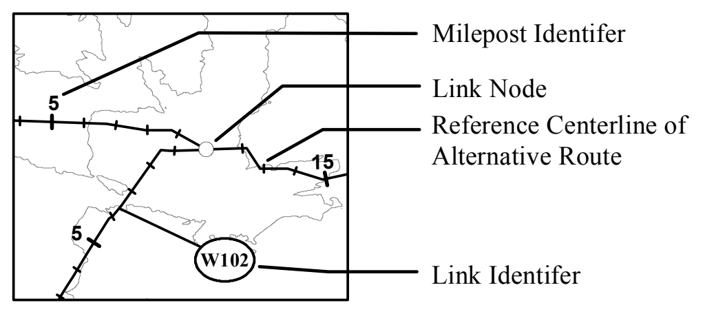


Resource Inventory

PAST AND PRESENT ACTIONS[1,2]

▬	Mona Pumped Storage Project Transmission Line	■	Narrows Dam and Reservoir Project
▬	Energy Gateway West Transmission Line	▨	Oil Shale and/or Tar Sand Development
▦	Coal Mine	■	Oil and/or Gas Development[3]
▨	Non-coal Mine	■	Pipeline[4]
▬	Communication Facility	■	Recreation
■	Educational Facility	■	Residential Subdivision
■	Industrial Facility	▬	Transportation
■	Military Training/Testing Site	■	Utility
		▨	Wind Energy Facility[5]

Inventory Key



Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬚	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
----	500kV Transmission Line	▒	Lake or Reservoir
----	345kV Transmission Line	—··—	River or Stream
----	230kV Transmission Line	□	State Boundary
----	138kV Transmission Line	⬚	County Boundary
┼┼┼	Railroad	⬚	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Mona Pumped Storage Project, BLM 2013j, k; Energy Gateway West Transmission Line, Tetra Tech 2013; Utah Coal Mines, UDNR 2013; Black Butte Mine, Ambre Energy 2012a; ColoWyo Coal Mine, BLM 2012; Flat Canyon Coal Lease, USFS 2013d; Long Canyon Coal Lease, BLM 2012ah; Trapper Coal Mine, BLM 2001b; Deer Creek Coal Lease, TetraTech 2012; Deserado Coal Mine, BLM 2009e, 2012ac; Coal Mines, Wyoming DEQ 2011; Coal Leases, SITLA 2014b, Wyoming Office of State Lands and Investments 2013b; Sweetwater Mine and Terry Hankins Copper Mine, BLM 2001b; Utah Non-Coal Leases, SITLA 2014b; Chicken Creek Surface Gypsum Mine, USFS 2012h; Gravel Pits, BLM 2012af; Gilsonite Mines, BLM 2008l; Sodium Mines, BLM 2013f; Uranium Leases, Wyoming Office of State Lands and Investments 2013b; Central Utah Telephone Fiber Optic Line, BLM 2013i; University of Utah Special Use Agreement, SITLA 2014a; Industrial Facilities, SITLA 2014a, Duchesne County 2009, 2014, Mesa County 2011; Flatirons Resources Helium Project, BLM 2013; Special Use Permit, Rio Blanco County 2012; Engineering Battalion Training Area, SITLA 2014a; White Sands Missile Launch Facility, SITLA 2014a; The Narrows Dam and Reservoir Project, SWCD 2012; Red Leaf Oil Shale Project, SITLA 2012; Oil Shale Research, Development and Demonstration Areas, BLM 2010d, 2012ad; Oil Shale and Tar Sands Leases, SITLA 2014c; Enefit Oil Shale Development, Stantec 2012; Oil and Gas Units, BLM 2012ab, ah; Atlantic Rim Oil and Gas Field, BLM 2005f; Berry Petroleum South Unit, USFS 2007; Oil and Gas Projects, BLM 2011s, 2012aj, am, Duchesne County 2014; Carl Allen #45 Oil and Gas Project, WexPro 2012; Blacktail Ridge and Lake Canyon EDA Boundaries, URMCC 2013a; Oil and Gas Wells, UTDOGM 2011; Greasewood Compressor Station, BLM 2013g; Ferron Natural Gas Project, BLM 1998b; Doty Mountain Oil and Gas Project, BLM 2012y; Liberty Pioneer #10-17 Gas Exploration, USFS 2012g; Oil and Gas Leases, Wyoming Office of State Lands and Investments 2013c, Colorado State Land Board 2012, SITLA 2014c; Table Rock Oil and Gas Development, BLM 2012z; Monell/Arch Unit Infill Project, BLM 2012x; West Tavaputs Plateau Oil and Gas Project, BLM 2012af; Peter’s Point Loop Pipeline, BLM 2011; Magnum Gas Storage Project Pipeline, BLM 2010e; Victory Pipeline, Jones and DeMille Engineering 2013; Roosevelt Pipeline, CUWCD 2012; ATV Trail, Carbon County UT 2011a; Recreation and Residential Leases, SITLA 2014a; Residential Subdivisions, Carbon County, UT 2011b, Carbon County WY, 2012b, Duchesne County 2009, 2014, Juab County 2009, Moffat County 2009, Sanpete County 2009, Utah County 2009; Seep Ridge Road, BLM 2012an; Standpipe Substation, Rocky Mountain Power 2011; Seven Mile Hill Wind Energy Facility, BLM 2012; Dunlap I Wind Farm, BLM 2012; Sierra Madre and Chokecherry Wind Farms, BLM 2012; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

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FINAL EIS
September 2015

Scale in Miles
0 3 6 12 18 Miles
1:380,160 or 1 inch = 6 miles

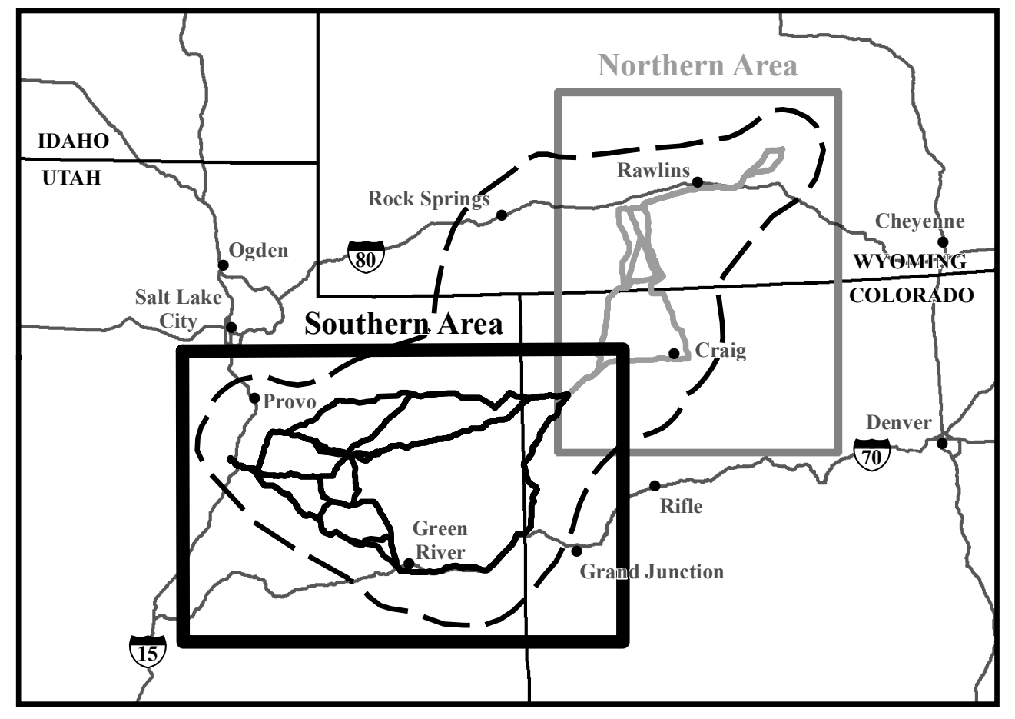
MV-26b

Past and Present Actions

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index

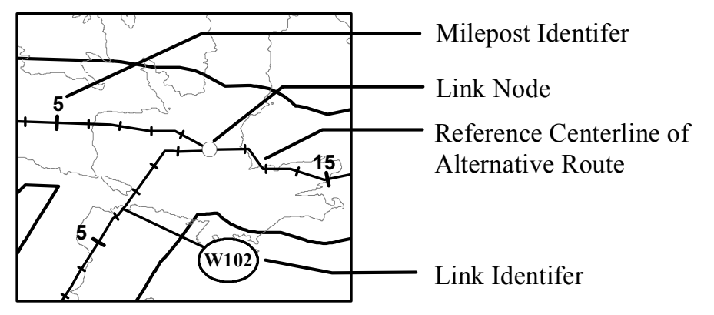


Resource Inventory

PAST AND PRESENT ACTIONS[1,2]

▬	Mona Pumped Storage Project Transmission Line	■	Narrows Dam and Reservoir Project
▬	Energy Gateway West Transmission Line	▨	Oil Shale and/or Tar Sand Development
▒	Coal Mine	■	Oil and/or Gas Development[3]
▨	Non-coal Mine	■	Pipeline[4]
▬	Communication Facility	■	Recreation
■	Educational Facility	■	Residential Subdivision
■	Industrial Facility	▬	Transportation
■	Military Training/Testing Site	■	Utility
		▨	Wind Energy Facility[5]

Inventory Key



Project Features

[ ]	Project Area Boundary	●—●	345kV Proposed Relocation (Inset A)
△	Substation (Project Terminal)	●—●	345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
⬡	Series Compensation Station Siting Area	●—●	345kV Proposed Reroute (Segment 4c - Inset B)
┼┼┼	Alternative Route		

General Reference

●	City or Town	70	Interstate Highway
▲	Substation	40	U.S. Highway
▣	Power Plant	24	State Highway
- - -	500kV Transmission Line	▒	Lake or Reservoir
- - -	345kV Transmission Line	—·—·	River or Stream
- - -	230kV Transmission Line	▭	State Boundary
- - -	138kV Transmission Line	▭	County Boundary
┼┼┼	Railroad	▭	Jurisdictional Boundary
●—●	Pipeline		

Sources:

Mona Pumped Storage Project, BLM 2013j, k; Energy Gateway West Transmission Line, Tetra Tech 2013; Utah Coal Mines, UDNR 2013; Black Butte Mine, Ambre Energy 2012a; ColoWyo Coal Mine, BLM 2012; Flat Canyon Coal Lease, USFS 2013d; Long Canyon Coal Lease, BLM 2012ah; Trapper Coal Mine, BLM 2001b; Deer Creek Coal Lease, TetraTech 2012; Deserado Coal Mine, BLM 2009e, 2012ac; Coal Mines, Wyoming DEQ 2011; Coal Leases, SITLA 2014b, Wyoming Office of State Lands and Investments 2013b; Sweetwater Mine and Terry Hankins Copper Mine, BLM 2001b; Utah Non-Coal Leases, SITLA 2014b; Chicken Creek Surface Gypsum Mine, USFS 2012h; Gravel Pits, BLM 2012af; Gilsonite Mines, BLM 2008l; Sodium Mines, BLM 2013f; Uranium Leases, Wyoming Office of State Lands and Investments 2013b; Central Utah Telephone Fiber Optic Line, BLM 2013i; University of Utah Special Use Agreement, SITLA 2014a; Industrial Facilities, SITLA 2014a, Duchesne County 2009, 2014, Mesa County 2011; Flatirons Resources Helium Project, BLM 2013; Special Use Permit, Rio Blanco County 2012; Engineering Battalion Training Area, SITLA 2014a; White Sands Missile Launch Facility, SITLA 2014a; The Narrows Dam and Reservoir Project, SWCD 2012; Red Leaf Oil Shale Project, SITLA 2012; Oil Shale Research, Development and Demonstration Areas, BLM 2010d, 2012ad; Oil Shale and Tar Sands Leases, SITLA 2014c; Enefit Oil Shale Development, Stantec 2012; Oil and Gas Units, BLM 2012ab, ah; Atlantic Rim Oil and Gas Field, BLM 2005f; Berry Petroleum South Unit, USFS 2007; Oil and Gas Projects, BLM 2011s, 2012aj, am, Duchesne County 2014; Carl Allen #45 Oil and Gas Project, WexPro 2012; Blacktail Ridge and Lake Canyon EDA Boundaries, URMCC 2013a; Oil and Gas Wells, UTDOGM 2011; Greasewood Compressor Station, BLM 2013g; Ferron Natural Gas Project, BLM 1998b; Doty Mountain Oil and Gas Project, BLM 2012y; Liberty Pioneer #10-17 Gas Exploration, USFS 2012g; Oil and Gas Leases, Wyoming Office of State Lands and Investments 2013c, Colorado State Land Board 2012, SITLA 2014c; Table Rock Oil and Gas Development, BLM 2012z; Monell/Arch Unit Infill Project, BLM 2012x; West Tavaputs Plateau Oil and Gas Project, BLM 2012af; Peter's Point Loop Pipeline, BLM 2011; Magnum Gas Storage Project Pipeline, BLM 2010e; Victory Pipeline, Jones and DeMille Engineering 2013; Roosevelt Pipeline, CUWCD 2012; ATV Trail, Carbon County UT 2011a; Recreation and Residential Leases, SITLA 2014a; Residential Subdivisions, Carbon County, UT 2011b, Carbon County WY, 2012b, Duchesne County 2009, 2014, Juab County 2009, Moffat County 2009, Sanpete County 2009, Utah County 2009; Seep Ridge Road, BLM 2012an; Standpipe Substation, Rocky Mountain Power 2011; Seven Mile Hill Wind Energy Facility, BLM 2012; Dunlap I Wind Farm, BLM 2012; Sierra Madre and Chokecherry Wind Farms, BLM 2012; Public Land Survey System, BLM 2011; Contours generated by EPG, USGS NED 1 arc-second data 1999; Series Compensation Station Siting Areas, Rocky Mountain Power 2015; City or Town, ESRI 2013; Transmission Lines and Substations as digitized by EPG, POWERmap Platts 2009; Clover Substation Boundary as digitized by EPG, Rocky Mountain Power 2013; Mona Substation Boundary as digitized by EPG, Bing 2013; Highways, Roads, and Railroads, ESRI 2013; Pipelines as compiled by EPG, BLM 2006, 2012, 2013, 2014, USFS 2002, PennWell MAPSearch 2011, POWER Engineers, portions were digitized, Bing 2014; Water Features, ESRI 2008, USGS 2010; State and County Boundaries, ESRI 2013; Land Jurisdiction, BLM 2013, USFS 2006, 2011

Notes:

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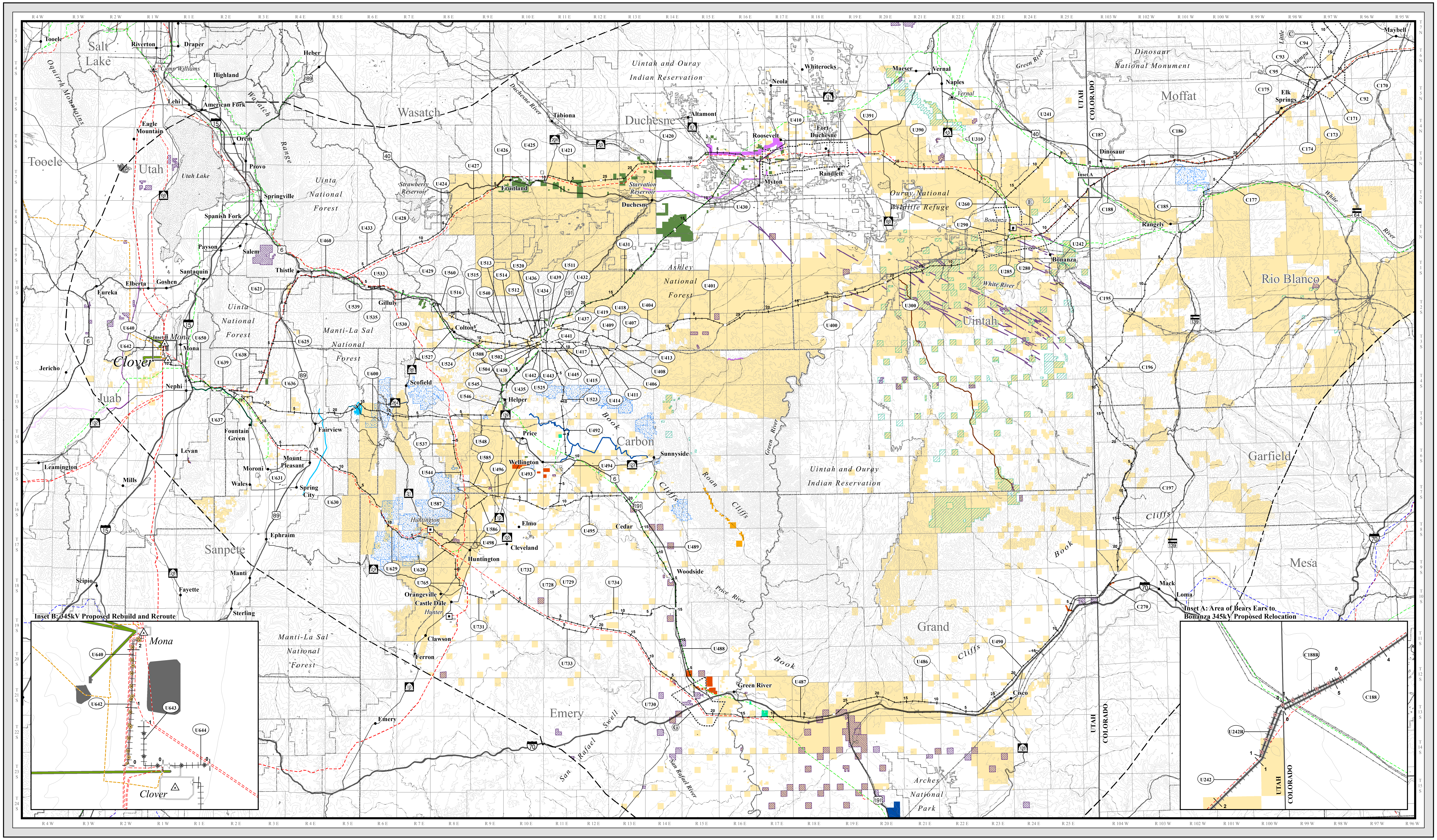
FINAL EIS

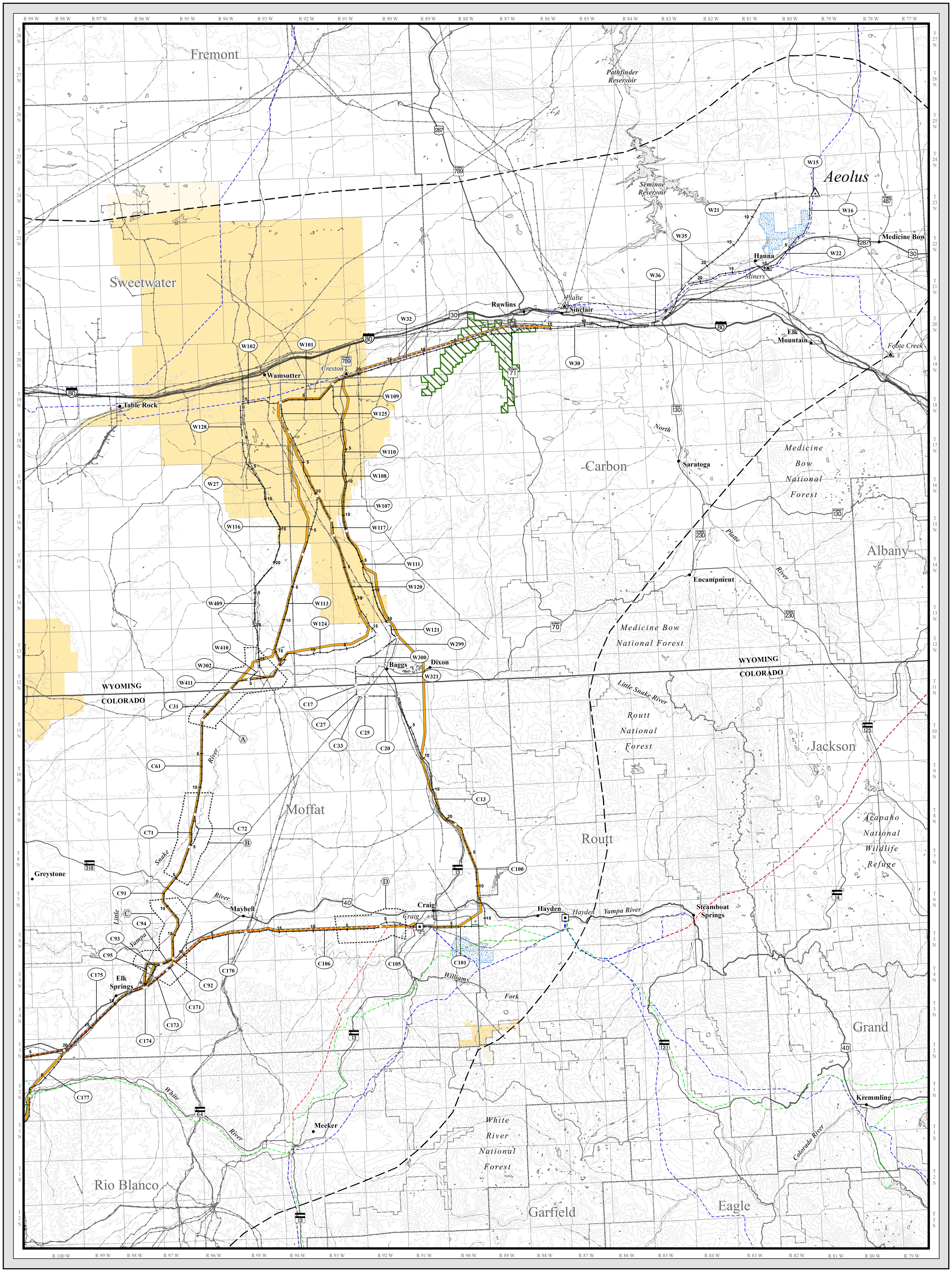
September 2015

Scale in Miles

0 3 6 12 18 Miles

1:380,160 or 1 inch = 6 miles

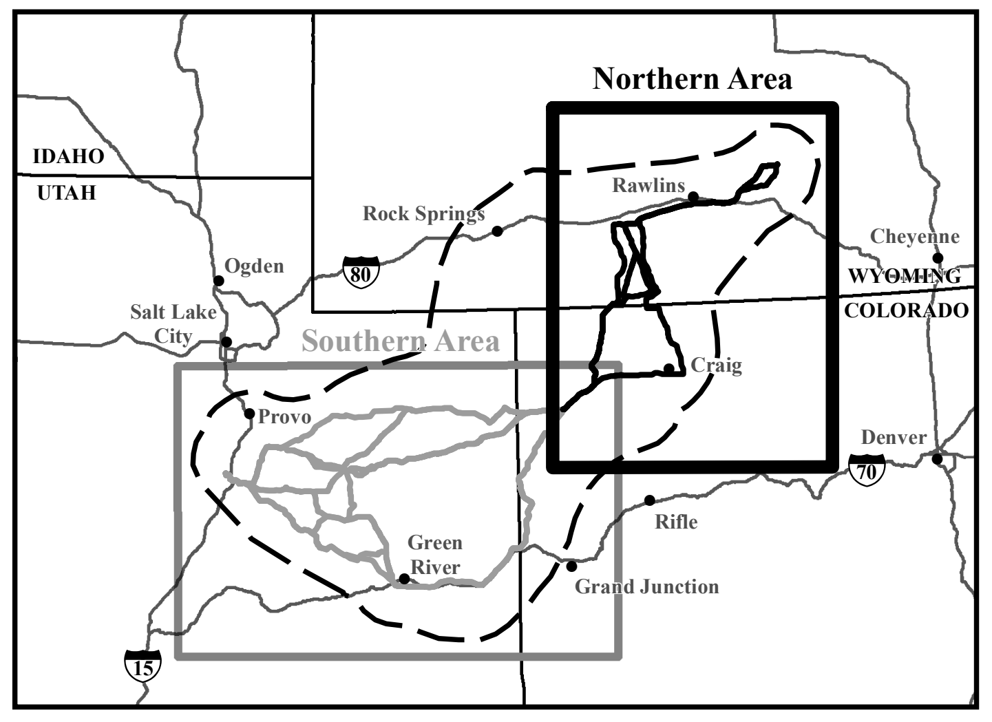




Reasonably Foreseeable Future Actions

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA
Map Index

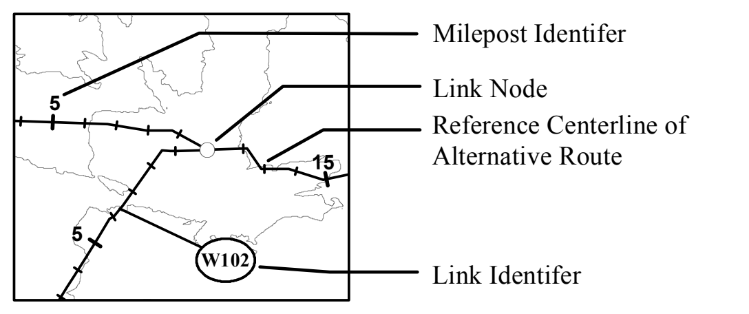


Resource Inventory

REASONABLY FORESEEABLE FUTURE ACTIONS[1,2]

- Highway or Road
- Bonanza to Upalco Transmission Line
- TransWest Express Transmission Line
- Uinta Express Pipeline
- Coal Mine
- Oil and/or Gas Development[3]
- Recreation
- Residential Subdivision
- Utility
- Wind Energy Facility[4]

Inventory Key



Project Features

- Project Area Boundary
- Substation (Project Terminal)
- Series Compensation Station Siting Area
- Alternative Route
- 345kV Proposed Relocation (Inset A)
- 345kV Proposed Rebuild (Segments 4a and 4b - Inset B)
- 345kV Proposed Reroute (Segment 4c - Inset B)

General Reference

- City or Town
- Substation
- Power Plant
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 138kV Transmission Line
- Railroad
- Pipeline
- Interstate Highway
- U.S. Highway
- State Highway
- Lake or Reservoir
- River or Stream
- State Boundary
- County Boundary
- Jurisdictional Boundary

Sources:

Interstate Loop Road, BLM 2012as; Squaw Creek Road Relocation Project, USFS 2012i;
Bonanza to Upalco Transmission Line as digitized by EPG, Moon Lake Electric 2013;
TransWest Express Transmission Line, AECOM 2013, POWER Engineers 2014; Uinta Express Pipeline, USFS 2013e;
Trapper Mine Exploratory Boundary, Trapper Mining Inc. 2012; Rosebud Mine, Ambre Energy 2012b;
Oil and Gas Units, BLM 2012ah; Hiawatha Regional Oil and Gas Project, BLM 2006; Continental Divide-Creston Natural Gas Project, BLM 2007e;
Monument Butte Oil and Gas Project, BLM 2012; Proposed Golf Course, City of Naples 2009a; Residential Lease, SITLA 2014a;
Strawberry Highlands Residential Subdivision, Wasatch County 2012; Woodside Carbon Sequestration Site and Substation, BLM 2012ar;
Blue Castle Nuclear Power Plant, Emery County 2009; Quaking Aspen Mountain and White Mountain Wind Farms, BLM 2012aq;
Potential Wind Development Area, Emery County, 2011; Sweeney Ranch Wind Farm, BLM 2009; Hogback Ridge Wind Energy Project, BLM 2013p;
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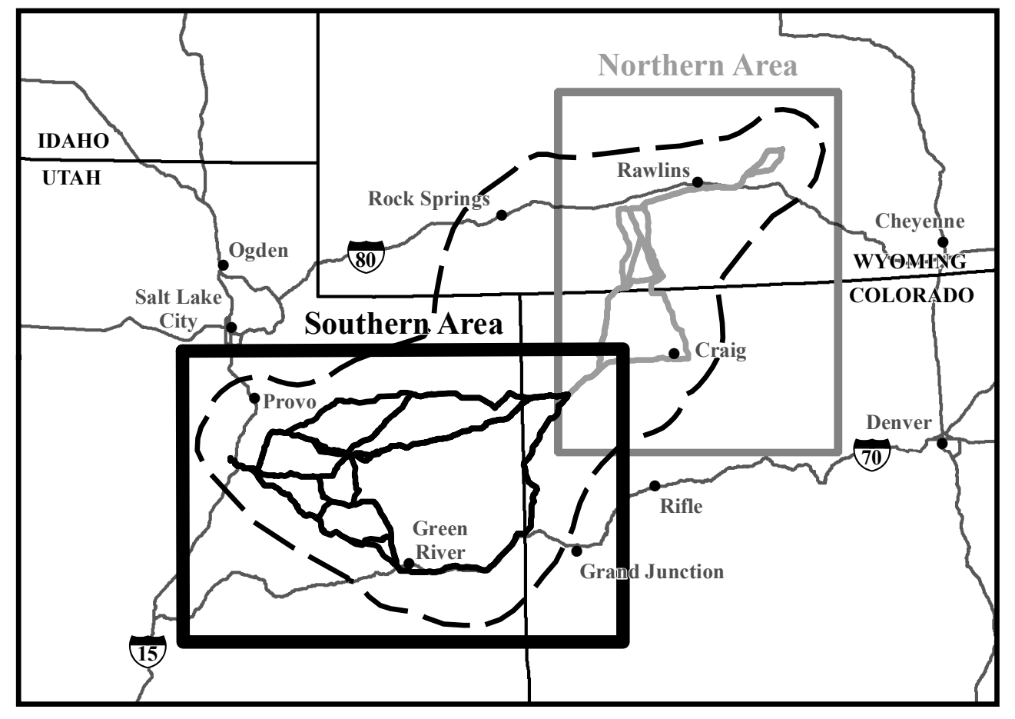
MV-27b

Reasonably Foreseeable Future Actions

ENERGY GATEWAY SOUTH TRANSMISSION PROJECT

SOUTHERN AREA | NORTHERN AREA

Map Index



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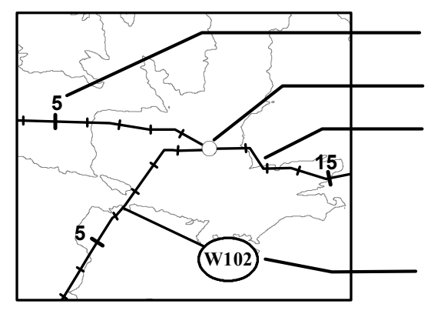

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Project Area Boundary	345kV Proposed Relocation (Inset A)
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Alternative Route	

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